INTERCOLLEGIATE BROADCASTING SYSTEM

College Radio Station Personnel

College Haverford Name of Station WHAV

Semester Dates Sept. '43 - Jan. '44

1. Position President

Name Bertram M. Kummel Graduation Date June '45

College Address Haverford College, Haverford, Pa.

Home Address 110 Mayhew Drive, So. Orange, N.J.

2. Position Technical Director

Name Cloyd H. Marvin, Jr. Graduation Date Aug. '45

College Address Haverford College, Haverford Pa.

Home Address 2601 Thirtieth St., Washington, D.C.

3. Position Advertising Manager

Name Joseph Stokes, III Graduation Date June, '45

College Address Haverford College, Haverford, Pa.

Home Address 159 W. Coulter St., Phila., Pa.

4. Position Production Director

Name Thomas P. Goodman Graduation Date Aug. '45

College Address Haverford College, Haverford, Pa.

Home Address 5533 University Ave., Chicago, Ill.

5. Position

Name Graduation Date

College Address

Home Address

6. Position

Name Graduation Date

College Address

Home Address

I114B 100 9/17/43

September 26, 1945

From:
Intercollegiate Broadcasting Station Representatives
507 Fifth Avenue
New York, N.Y.

For the information of new staff members of the college stations I would like to explain the functions of IBSR. IBSR is the organization which solicits, obtains, and services your national advertising. Aside from contracting for your national advertising IBSR handles such routine matters as billing, affidavits and payment.

At the end of every month IBSR sends affidavits to the college stations covering advertising, carried during that month. When all affidavits for a particular account are notarized and returned to IBSR, a bill with the attached affidavits is submitted to the advertiser. IBSR cannot bill the advertiser until all stations return their affidavits. I would appreciate your cooperation in this matter by promptly returning all affidavits to the IBSR office.

Following is the status of advertising for college radio stations for the college year 1945-46 according to the latest IBSR information.

1. The General Electric Company has just notified IBSR that renewal of its contract over sixteen IBS stations has been approved. Renewal will probably run to June 28th, 1946.

2. The New York Herald Tribune has notified IBSR that its contract with the six eastern stations now carrying its spot announcements has been renewed and eight stations will be added to the schedule. Contract will probably run through the spring semester.

3. The Gruen Watch Company's contract runs to March 4th over all available stations. The IBSR has placed special emphasis in doing a good job for Gruen. IBSR has been in constant contact with Gruen's publicity dept. in Cincinnati, and as a result a feature article about the college stations and IBS was carried in the May-June issue of Gruen Time, a publication for Gruen's dealers and distributors (an offset is enclosed). Another article appeared in the July-August issue and the entire back cover of that issue was devoted to college radio. (see enclosed offset)

Gruen is extremely pleased with their college campaign; consequently we anticipate their renewal in March.

4. RCA Victor's contract comes up for renewal December 1st, 1945. All college stations carrying Victor should concentrate on doing a good job for Victor and should keep in constant contact with Mr. Richard Mohr at RCA Victor per suggestions of my recent letter.
5. The Helena Rubinstein contract is to be cancelled as of October 5th, 1945. All stations holding the contract should carry the programs through that date.

* * *

Active Prospects

1. Railway Express Agency - 2 daily 50 word spot announcements Monday-Friday.
2. Standard Oil Co. of N.J. - 5 minute daily national news periods including ticker installation.
3. Dorothy Gray - Popular Music
4. Camel Cigarettes

I will keep you notified of all new developments.

Sincerely yours,
Intercollegiate Broadcasting
Station Representatives

Louis M. Bloch Jr.
Manager

INTERCOLLEGIATE BROADCASTING STATION REPRESENTATIVES

507 FIFTH AVENUE, NEW YORK 17, N. Y.

ORDER NUMBER B

DATE Sept. 17, 1946

AGREEMENT between WHAV and the INTERCOLLEGIATE BROADCASTING STATION REPRESENTATIVES to broadcast radio programs of The N.Y. Herald Tribune as specified below:

NAME OF PROGRAM: Spot Announcements

PRODUCT: The N.Y. Herald Tribune

LENGTH OF BROADCAST	HOUR	DAYS	TIMES PER WEEK	TOTAL NO. TIMES
50 Words	Twice Daily	Mon. through Thurs., incl.	8	208

STARTING DATE
September 23, 1946

EXPIRATION DATE
Last date of broadcast in second semester of 1947.

PROGRAM MATERIAL ARRANGEMENTS

COMMERCIAL ANNOUNCEMENTS
To be supplied by the sponsor, The N.Y. Herald Tribune.

CONTINUITY	LIVE TALENT	TRANSCRIPTIONS

ADDITIONAL INSTRUCTIONS

It is understood that the two daily announcements will be aired at least two hours apart from each other.

RATES	Station Charge	Other Charges	Total
	$ 1.0875	$	$ 226.20
	$	$	$

15% Commission allowed to Recognized Advertising Agencies on Net Charges for Broadcasting Facilities.

Intercollegiate Broadcasting Station Representatives

By Walter H. Robinson

Address
Station WHAV
Haverford College
Haverford, Pennsylvania
City State

By:

Business Manager

Standard Conditions

GOVERNING CONTRACTS FOR SPOT BROADCASTING

Adopted 1933 and Revised 1942 by

American Association of Advertising Agencies and *National Association of Broadcasters*

1. PAYMENT

[a]. The agency agrees to pay, and the broadcasting station agrees to hold the agency solely liable for payment, for the broadcasting covered by this contract unless expressly otherwise agreed in writing.

[b]. The agency personally agrees to pay for broadcasting covered by this contract, at the office of the broadcasting station or of its authorized representative, on or before the last day of the month following that in which the broadcasting is done unless otherwise stipulated on the face of this contract; or, when cash discount is deducted but payment date not specified on the face of the contract, on the fifteenth of the month following.

[c]. In all cases date of payment is material and unless otherwise stipulated the postmark date on the envelope properly addressed to the broadcasting station or to its representative shall be considered the date when payment was made.

[d]. Station's invoices for broadcasting covered by this contract shall be in accordance with the station's log and shall so state on each such invoice.

[e]. Invoices should be rendered not less often than monthly.

[f]. Affidavits of performance shall be furnished by station on request of agency.

[g]. The station reserves the right to cancel the contract at any time upon default by the agency in the payment of bills, or other breach, or in the event of any material violation on the part of the agency of any of the conditions herein named; and upon such cancellation all broadcasting done hereunder and unpaid shall become immediately due and payable. In case of delinquency in payments or impaired credit the station shall have the right to change the requirements as to terms of payment for further broadcasting under this contract as it may see fit.

2. TERMINATION AND RENEWAL

[a]. This contract may be terminated by either party by giving the other fourteen (14) days' prior written notice; provided that no such notice shall be effective until fourteen (14) days after start of broadcast service hereunder. If agency so terminates this contract it will pay station according to station's rate card on which this contract is based for the lesser number of periods, for all services previously rendered by station. If station so terminates this contract, agency will then either agree with station on a satisfactory substitute day or time for continuance of broadcasts covered by this contract at the card rates on which this contract is based for such substitute time, or, if no such agreement can be reached agency will pay station according to the rates specified herein, for all services previously rendered by station; that is, the agency shall have the benefit of the same discounts which the agency would have earned had it been allowed to complete the contract. In the event of termination hereunder neither party shall be liable to the other party otherwise than as specified in this paragraph, and in paragraph 6 hereof.

[b]. The broadcast time (or times) covered by the contract may be renewed by the agency by giving station two (2) weeks' written notice prior to the expiration of the contract or any extension thereof.

3. INABILITY TO BROADCAST

[a]. Should the station, due to public emergency or necessity, legal restrictions, act of God, or for any other reason beyond the control of the station, be unable to broadcast one or a part of any one of the agency's programs at the time specified, the station shall not be liable to agency except to the extent of allowing in such case either (1) a pro rata reduction in the time charges hereunder, or (2) if an interruption occurs during the commercial announcement portion of any broadcast a credit to agency in the same proportion to the total station time charge which the omitted commercial portion bears to the total commercial portion of the broadcast, it being mutually agreed that station shall credit agency on whichever basis is more favorable to agency. In the event of such omission station will upon agency's request make a suitable courtesy announcement as to such omission. Such omission or interruption shall not affect rates of discount: that is, the agency shall have the benefit of the same discounts which the agency would have earned had it been allowed to complete the contract. If the interruption equals or exceeds 50% of the total program time the station shall defray a pro rata share of the live talent costs, unless the interruption is due to an act of God, public emergency or legal restriction.

4. SUBSTITUTION OF PROGRAMS OF PUBLIC IMPORTANCE

[a]. The station shall have the right to cancel any broadcast covered by this contract in order to broadcast a sustaining program which it deems to be of public importance. In such case, the station will notify the agency, in advance if possible, but in any case immediately after such broadcast, that agency's program has been cancelled.

[b]. The station, provided it has first secured the approval of agency as far in advance as possible, may also cancel any broadcast covered by this contract and substitute a commercial broadcast of public importance.

[c]. In the case of a cancelled program, whether for the substitution of a sustaining program or a commercial program, the agency and the station will agree on a satisfactory substitute day or time for the broadcast, or, if no such agreement can be reached, the broadcast will be considered as cancelled without affecting the rates, discounts or rights shown on this contract, except that agency shall not be required to pay for the cancelled program.

[d]. In the event of such cancellation or postponement, the station will make, if approved by the agency, a suitable courtesy announcement as to the reason for cancellation or postponement and as to any substituted time agreed upon, and the station shall reimburse the agency any non-cancellable cost of live talent.

5. RATES

[a]. It is agreed that the rate named in this contract is the lowest rate made by the station for like services and that if at any time during the life of this contract the station makes a lower rate for the same services, this contract shall be completed at such lower rate from that date.

[b]. All rates shall be published. There shall be no secret rates, rebates or agreements affecting rates. All rates shall be furnished agencies if requested.

[c]. If this contract is continued beyond the time specified herein, the additional broadcasts shall be considered part of this contract and the same rate shall apply until any lower rate prevailing at the time this contract is made shall have been earned; and then such lower rate shall apply to the whole contract. This provision shall not, however, cover a service rendered by station later than one year from the date of the first broadcast.

[d]. In the event of revision of station rates or discounts, this contract may be extended at the rates and discounts herein shown without penalty of short rate or discounts on previous broadcasts hereunder, for a period of not more than fifty-two (52) weeks from the effective date of such revision; provided, however, that such extension is executed not later than thirty (30) days after the effective date of such revision.

[e]. In the event agency contracts with station for additional time for the advertiser hereunder the rates and discounts shown on the rate card on which this contract is based shall apply to such additional time for a period of fifty-two (52) weeks from the effective date of any revision of rates or discounts.

[f]. All broadcasts placed with station for the advertiser within one year from the date of the first broadcast hereunder shall be combined for the purpose of calculating the total amount of frequency discounts earned, provided, however, that announcements cannot be so combined with five (5) minute or longer programs.

6. PROGRAMS

[a]. The contract for station time includes the services of the technical staff and of a regular staff announcer. Other talent and service charges, if any, are covered in this contract and such charges are subject to change by the agency with the consent of the station.

[b]. Should the station fail to receive program material seven days in advance of the broadcast it shall so notify the agency. Subsequent to this notification, if the station fails to receive the program material in time for the broadcast, if the programs are transcriptions, the station shall, following first broadcast, repeat a previous program unless otherwise instructed, or unless program is one of a series, in which case the station shall have the right to announce the name, address and business classification of the advertiser, produce a creditable program and make regular charge for station time and reasonable talent charge to the agency. If the programs are produced locally it shall, following first broadcast, repeat the commercial announcement of the preceding broadcast, using the agreed talent unit.

[c]. Except as otherwise hereinafter expressly provided the agency will save the station harmless against all liability for libel, slander, illegal competition or trade practice, infringement of trade marks, trade names or program titles, violation of rights of privacy and infringement of copyrights and proprietory rights, resulting from the broadcasting of the programs herein provided for in the form furnished by the agency. The station agrees, however, to save the agency and advertiser harmless against all such liability where the programs are prepared and produced both as to artists and program content by the station excepting only such liability as may result from the broadcasting of the commercial credits and other material as furnished by the agency. Station will save agency and advertiser harmless against all such liability with respect to music on station-built programs. Station will save agency and advertiser harmless against all such liability with respect to music on agency-built programs provided such music has been cleared and approved for broadcasting by a licensor designated by station. Agency will save station harmless against all such liability with respect to music on agency-built programs if such music has not been cleared and approved for broadcasting by a licensor designated by station.

[d]. Notwithstanding the indemnitor (party hereto on whom duty of defense is imposed) shall have assumed the defense of any litigation hereunder, the indemnitee, upon relieving the indemnitor in writing of its obligations hereunder with respect to such litigation, shall have the right, if it shall so elect, thereafter to conduct the same at its expense by its own counsel. It is understood, however, that by common consent, the litigation and the responsibility of the parties hereto may be handled in some other way. The indemnitor upon request shall keep the indemnitee fully advised with respect thereto and confer with the indemnitee or its counsel.

[e]. Programs prepared by the agency are subject to the approval of the station management both as to artists and to program content.

[f]. The provisions of this paragraph shall survive any cancellation or termination of this contract.

7. GENERAL

[a]. This contract is subject to the terms of licenses held by the parties hereto and is also subject to all Federal, State and Municipal laws and regulations now in force, or which may be enacted in the future.

[b]. The rights under this contract shall not be transferable to another advertiser than the one specified in this contract unless the consent of the station has been obtained.

[c]. In dealing with agencies, the station shall follow a uniform policy to avoid discrimination.

[d]. The agency agrees that it will not rebate to its client any part of the commission allowed by the station.

[e]. All requests by agency for station to handle audience mail must be submitted to station in advance and approved by station.

[f]. The failure of the station or of the agency to enforce any of the provisions herein listed with respect to a breach thereof in any one instance shall not be construed as a general relinquishment or waiver under this agreement and the same shall nevertheless be and remain in full force and effect.

(*OVER*)

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May 4, 1948

Meeting called to order by president at 5:40
Minutes of last meeting accepted as read.
Matters of station policy were discussed.

1. Sam Hudson asked for more conscientous work from members of the staff.
2. Discussion of methods of broadcasting

Floor opened for nomination for president:

Kenneth Blum	-- declined
Bill Peniche	"
Sam Hudson	"
Amy Knowlton	by acclamation

Chair turned over to Knowlton

Floor opened for nomination for secretary

Jack Beden	-- declined
Ted Jamison	"
Ted Shakespeare	"
Dave McCarn	--
Nev Curtis	Secretary

Floor opened for nomination for treasurer

Sam Hudson	declined
John Dyson	Treasurer
Robert Kunkle	--

Floor opened for nomination for Program Director

Bob Kunkle	declined
Ken Blum	"
Bill Penchie	Program Director
Bill Bell	declined
Scott Symth	--
Ed Bellinger	--

Floor opened for nomination of Production director

Bill Barrows	--
Don Amussen	Production Director
Bob Kunkle	--

Floor opened for nomiation for Chief Engineer

Bob Harper	declined
Wray Bentley	Chief Engineer — but officially elected appointed
Dave Trumper	appointed assistant engineer
Dick Gilmour	--

Meeting adjourned 6:25

N. M. Curtis
Secretary

WHAV
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

May 10, 1948

Regular Board Meeting.

The meeting was called to orddr by President Knowlton at 5:30 P.M. The minutes were accepted as read.

John Dyson made a motion: that all members who had been temporily suspended by the previous board meeting of May 4, should be re-instated in the club.

Passed unanimously.

Old business:

1. Cap and Bells is annoyed about the mike's being taken from Roberts Hall for use in the studio's on Spring Day. Knowlton will straigten out the matter.
2. Matter of keys: those who have them at present:
   Andy Knowlton
   Harper and Bentley
   Dave McCarn
   Nev Curtis

New Business:

1. Question of putting station off the ~~ar~~ air: Last broadcast for the year 1947-48 will be on May 20, 1948 at 12:00 P.M.

2. A staff meeting called for 5:30 May 11, 1948 for the purpose of electting the two men missing from the board.
3. Treasury report and general discussion of how to use money. Decided to wait before spending any money to hear report of Bentley regarding equipment.
4. General discussion of buying equipment of Decostos. Decided that there would be little probability of buying it.

Meeting adjourned.

Nevin M. Curtis
Secretary

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

September 23, 1948

Regular Board Meeting.

The meeting was called to order at 4:30 by the President.

The meeting opened with a general discussion of the new budget. It was suggested that the emphasis be on program quality than on new materials.

Several suggestions were made regarding the operation of the station in the coming year.

No. 1. Studio A is to be put into operation as soon as possible. Curtis was to contact engineers.

No. 2. Discussion of interesting new men to join club. Andy Knowlton and Don Amussen are to present the case of WHRC at the Rhinie meeting Friday night.

No. 3. IBS discussed -- the generally attitude being that we should retain the status quo.

No. 4. Discussed getting blotters. Curtis to see if Sam Hudson is interested in being the publicity manager. John Dyson to look into the matter of blotters for the coming year.

No. 5. The station is to go on the air officialy, October 18, 1948.

No. 6. A report by Bill Peniche on the general state of advertising. Kunkle appointed advertising manager.

No. 7. General discussion of tentative program which the program department has established. Several new ideas discussed.

The meeting adjourned at 5:10 P.M.

Nevins M. Curtis
Secretary

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

Oct. 4, 1948

A regular board meeting of Station WHRC was called to order by president Andy Knowlton at 2:00p.m.

General business of the station was discussed. The budget was discussed but no definite figures were presented. John Dyson to continue work on the budget.

A general staff meeting was called for Wednesday 7:45 p.m.

The president adjourned the meeting at 2:45.....

Secretary

N M Cuts

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

[illegible]

A general staff meeting was called to order at [illegible]:00 pm by the secretary. The minutes were read and approved.

Dave Trumper made a motion to outlaw proxy votes. After a brief discussion, the motion was tabled by unanimous vote.

There were reports from the various heads of departments.

1. Dave Trumper reported on technical work, the progress toward finishing Studio A and he emphasized the need for men who were interested in doing technical work to see him.

2. Bill [illegible] reported on the program [illegible] [illegible] of the [illegible] yet to be filled.

The president, [illegible], [illegible] at [illegible].

Several questions were raised [illegible] [illegible] relations with the Bryn Mawr [illegible] club.

The [illegible] was appointed publicity [illegible],

Advertising was brought up and discussed briefly.

The meeting was adjourned at [illegible].

N M Curtis

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

Nov. 22, 1948

A brief regular board meeting was called to order at 9:00 pm. by President Andy Knowlton. Routine matters were discussed. Relations with Swarthmore regarding exchange programs and recording "Jam" sessions were mentioned. The UWF of Bryn Mawr and Swarthmore would like time to broadcast, which was OK'd by the board. Mention was also made of increasing our sports coverage. Mr. Bennet COOper has shown interest in such a program.
The board meeting adjourned at 9:30.

Respectfully submitted

N M Curtis

Secretary

December 1, 1948

At 4:30 pm, a regular board meeting was called to order by President Andy Knowlton. The metting consisted of general discussion of plans and the general state of affairs regarding WHRC.

1. WIP has offered WHRC the use of three spots on their radio during the second semester. Brooks Cooper's "Dramatic Interlude" will take one spot, the Haverford College Glee Club will take the January 13th show, and the staff of the WHRC will put on the third broadcast.

2. Ken Blum and Andy Knowlton brought up discussion of putting a permanent line to the gym for the purposes of broadcasting home basketball games. The first game was scheduled for Dec. 8, and therefore the board felt that immediate action shoould be taken. Bob Harper and Nev Curtis were appointed to work out the details and see if the line was installed.

3. Mention was made of the wire recorder. The reason for the hold-up regarding it has been due to the fact that it can not be bought until the second quarter checks comes in. Ken Moser assured us that it will bought as soon as possible.

4. A staff meeting was called for Wednesday, Dec. 8 at 7:15.

5. There was a general dicussion of the progress tward getting Studio A operating. Dave Trumper was appointed to be in charge of getting Studio A on the air.

6. John Dyson made a financial statement, which said he was managing to keep our balance in the black.

7. Eric Loeb and Lee Haring's show, "Our Singing Country" was discussed. The board decided to issue ~~and~~ a warning and to take definite action at the next board meeting.

8. President Knowlton seemed uset about the attendance at board meetings. There was no definite suggestions, but a general discussion of the problem resulted.

9. Nev Curtis was appointed to write-up an article for the college year-book which should, among other things, include a description of the Swarthmore weekend activites of WHRC.

10. President Knowlton brought up the proposed Swarthmore Exhange Program. Three possible exchange programs of WHRC were suggested.

   a. Fantasy Theater.
   b. Studies in Black and White
   c. Dramatic Interlude.

11. John Dyson was appointed record librarian for stationg WHRC. He stated that numbers of records have been taken from the studio in the past months.

12. The board acted on a suggestion to have the news read twice each evening. The news summary sent to WHRC by the "New York Times" is now to be read at either 10:55 to 11:00 pm or 11:00 to 11:05 pm in addition to its regular broadcast at 8:55 pm.

13. President Knowlton mentioned that the Christmas Seal drive would like to have a half hour show nextweek.

14. John Dyson discussed buying an LP pick-up for the "Classical Hour." He has enough money to buy the equipment, and the board felt that he could go ahead.

15. John Dyson was appointed to purchase records of "America" and the "Star-Spangled Banner".

16. Station WHRC continued its policy not to lend records to other organizations for use at Vic Dances.

The board meeting adjourned at 5:15 p.m.

Respectfully submitted,

N M Curtis

Secretary

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

OFFICE OF THE SECRETARY

December 13, 1948

A regular board meeting was called to order by ~~the~~ Secretary Nev Curtis at 8:30.

Bill Peniche informed the board the fact that he had gotten $20 worth of advertising for four home games. It was reported by Bob Harper that a permanent line had been installed into the gym. General discussion about shifting programs Dec. 18, to allow for the coverage of the basket ball game with F&M. ensued—Ken Blum and Andy Knowlton were suggested as announcers; David Trumper to act as the engineer and Bill Peniche to follow the statistics.

President Knowlton's memorandum regarding a two-hour Christmas show was dicussed.

A list of suggestions to be brought up before the staff meeting regarding care of equipment, state of studio A and general quality of programs was drawn up.

The meeting adjourned at 9:15 pm.

Respectfully submitted

Secretary.

P.S. The staff meeting was postponed until Monday evening December 13th at 7:15 pm.

1/10/49

Board Meeting:

Meeting called to order at 9:05 p.m.

(1). General discussion of field range. Wray Bentley said he would be interested in helping take the readings.

(2) Bryn Mawr is interested in installing a line between Haverford and Bryn Mawr.

(3) Meeting called for elections
6:45 in Union Lounge for election of officers.

(4) Old business - no proxy voting - again tabled.

(5) Discussion of quorum.

(6) Andy wanted some men for WCAU Bull Session.

(7) Question of recording the Hyden Mass January 14th.

N.M. Curtis
Sec'y.

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

7 February 1949

The meeting of the new board was called to order at 5:15 by N.M. Curtis. All members of the board were present. Discussion concerned the following subjects:

Student Council requires a complete inventory of all the properties of the station. Inventory completed. Accounts for the past semester are being checked by the Treasurer. Curtis suggested that each department submit a proposed budget for the next semester to him, so that he can more efficiently work out a budget to be submitted to the Students' Council.

Board meetings will be held every Monday night at 5:3

There will be a staff meeting at 6:45 14 February to discuss new station policies and other business.

Brooks Cooper reported on the conference held 5 February at Temple, concerning the Inquirer Network. The board agreed to carry out the suggestions as far as possible.

Board members were assigned hours to listen to station's broadcasts, to submit reports at board meetings.

General policies include:

No programs originating from MC.

Scripts must be used more frequently than in the past.

Classical Hour time should be split up throughout the [illegible].

A suggestion was made that a Special Events department be set up to handle sports, speakers, glee club etc.

It has been agreed that the newly-built studio, former-known as Studio A, will now be called Studio H, "The Robert Harper Studio", since Bob Harper's work contributed so much to the success of the rebuilding.

Dave Trumper's suggestion that the Technical Dept. be given a petty cash fund was approved by the board.

The meeting was adjourned at 6;10.

Respectfully submitted,

Joseph C. Brown

[illegible]

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

14 February 1949

The regular Board Meeting was called to order by N. Curtis, for discussion of following:

Sports Department to be set up as a separate section under Special Events, under control of Board. Ed Bellinger suggested as head of new department.

Budgets of departments were handed to President, to compute estimated budget for Students' Ass. grant.

D.K.Trumper, Chief Engineer, reported on Field Readings taken by Ted Conant and our staff. Detailed diagrams of field strength discussed and analysed with proposed measures for correction of major faults, and approximate estimates of cost. No action taken until further checks can be taken, and technical matters examined more thoroughly.

Program Director Peniche submitted completed program schedule for Second semester broadcasting.

The meeting was adjourned, after announcement of the staff meeting to be held at 6:45.

A Staff Meeting was called to order at 7:00 by President Curtis. Since there were not enough members of the staff present to constitute a quorum, the meeting was concerned solely with a discussion of general policies to be pursued during the present semester.

[illegible] repeated general production regulations.

[illegible] read instructions for engineers concerning operation of equipment and timing of programs.

The staff was informed that the 'Phila. Inquirer' has started organizing a network of college radio stations in this area. WSRN, WRTI, and WXPN are includedin present plans, with a prospect of Haverford entering the network in the future. No action can as yet be taken by the Board or Staff.

The meeting was adjourned at 7:30 by N. Curtis.

Respectfully sibmitted,

Joseph C. Brown
Secretary, WHAC

21 February 1949

The regular board meeting was called to order by Pres. Curtis at 5:30. The station is receiving a special broadcast from the Philadelphia Inquirer Network today and tomorrow, through the courtesy of Swarthmore WSRN, the programs to originate at WRTI and WXPN.

The sports department is now officially headed by Ed Bellinger.

The following policy was adopted by the board:

> "Staff members may be absent (if it is necessary) from scheduled programs if notification of such absence is made to any board member before 5:30 of the evening of the program. If two programs are 'cut' without notifying a member of the Board before the 5:30 limit, the board will be forced to consider suspending broadcast of said program. In all fairness to the listeners, the engineers, and the Board, notice of absence should be made in sufficient time to make it possible to schedule a replacement."

Dan Hardy mentioned that we would need more engineers in the event that we joined the PIC Network in the near future. The meeting was adjourned at 6:15.

Respectfully submitted:

Joseph C. Brown

Joseph C. Brown
Secretary

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

Regular Board meeting held in Studio H, 7 March 1949

Following subjects discussed:

It was decided to play the tape recordings [illegible] Senior and Sophomore shows. The former at [illegible] Wednesday night, and the latter at 10:30 Thursday [illegible].

It was decided to broadcast the playoff games [illegible] Middle Atlantic Basketball championship tourney [illegible], with the cooperation of WSRN. Only the games in which Haverford is playing will be broadcast.

[illegible] speeches at the U.F. conference [illegible] 18 and 19 March will be broadcast. Also [illegible] nomination speeches for the Student Council President.

[illegible] suggested that we record parts of [illegible]

The staff meeting to discuss the amendment [illegible] will be put off until the week of 21 March.

Dave Plummer gave a report on his talks to [illegible] concerning the radiation regulations and the FCC. Dave will join the IBS fight to bargain with the [illegible] last resort the use of licensed engineers [illegible] responsible for radiation regulations.

[illegible]

Respectfully submitted,

Joseph C. Brown

Joseph C. Brown, [illegible]

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

[illegible]

A regular board meeting was held at 5:30 in Studio B

Report on network conference Saturday. Meeting had been called the week before, and one station not notified by Swarthmore. We will be fed network programs beginning 3 April perhaps, but not originate regularly.

It was decided that we would buy from F. Boucher one mike penant at 45¢

Discussion about Vara-coustic mike which part of of the Board saw at WDAS.

Baseball lines are available to Walton and diamond.

Poll will be taken this week of listeners, on Fo[illegible] [illegible]B-54[illegible].

Daily Bulletin will be delivered to FRC mail

Advertising rates(local) discussed by Board, but no definite prices set.

Dave Trumper read proposed letter to Dave Borst. Will re-write it later for approval.

Respectfully submitted,

Joseph C. Brown

Joseph c Brown
Secretary

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

18 April 1949

The regular Board meeting was called to order by Pres. Curtis, and the following topics discussed:

The program "8 to the Bar" will be suspended; this is the second consideration by the Board for missing shows. The secretary was instructed to inform ~~them~~ Jack Tregnor and El Wilbur of the suspension. They will remain members of the Radio Club, however. The technicality discussed was that the Program was to be dismissed, not the individuals who were running it.

Eddie Lynch (non-student) drops his Wednesday night program, and will take one late newscast Friday night. Since he is so interested in radio work, the Board decided to let him remain on the air.

Coach Randall says that he highly disapproved of broadcasting athletic events held on Saturday. The Board decided to not intimidate Coach Randall by insisting on it. He gave his approval for week-day broadcasting of baseball games, but was not too overjoyed at the whole program.

A poll is being taken to decide whether or not the students would like to have music piped to the dining room for the evening meal. The results are overwhelmingly in favor: 250 Yes, 40 No, 30 Indifferent; the preference indicated is for semi-classical, classical, and "show" music, in that order.

Mr. West, of WCAU, contacted by Pres. Curtis, has procured an interview with Marian Anderson, which Brooks Cooper and Dan Hardy will record Friday.

Respectfully submitted;

Joseph C. Brown

Joseph C. Brown, Secretary

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

2 May 1949

The regularly scheduled Board Meeting was held at 5:30, all members present. A prgram for Spring Day broadcasting was discussed. (7 May) It was decided to broadcast from about 10:00 AM through until 1:00 AM, featuring a remote broadcast of one or two of the speeches to be given, disc-jockey shows, a dramatic show by Dramatic Interlude, music for both the noon and evening meal; the studios open to inspection all day. The new Board, to be elected at a staff meeting at 6:45, would be in charge of the details of programming. The final word was received from Dr. Roberts at Temple U., that because of "technical difficulties" WHRC would not be able to join the Inquirer Network this year. It was suggested that this information be passed on to the News in the form of news article, explaining the situation. Dave Trumper reported the latest information on the FCC's action concerning proposed regulation changes. The new Board will continue to contact interested people to get their comments on the position of college radio, as requested by IBS. The station is following as closely as possible the plan proposed by IBS. The meeting was adjourned at 6:15.

Respectfully submitted

Joseph C. Brown

Joseph C. Brown
Secretary

oct. 14, 1945. News

[illegible]

[illegible] omery, president of radio station WHRC, announced this week that the Haverford radio station is soon to become a member of the Intercollegiate [illegible]'s "Ivy Network". This network has about twenty-five member [illegible] the major eastern colleges.

[illegible] makes [illegible] being [illegible] the largest and most active [illegible]. [illegible] by [illegible] members as well as approximately forty new men who are trying to get regular positions on the staff under the new competitive system. The station has increased its broadcasting hours from the old "possibly two or three hours a night" to a regular schedule consisting of a one-hour morning show plus four and one half hours of evening entertainment five days a week; Monday through Friday.

The staff at present is divided into three main departments: the administrative department, the program department, and the engineering department. The engineering department under this set-up now contains both program engineers who run the actual broadcasts and the technicians who build and repair equipment.

For those who are uninitiated in the field of radio, but who desire to learn something about it, WHRC is enlarging on its program of instruction. There are unlimited possibilities for those who are interested not only in engineering but also in the fields of advertising, preparing and presenting commercials, publicity, writing and directing shows, conducting listener opinion surveys, and, ofcourse work before the "mike" itself.

This year the station is offering a wide variety of programs. There will be "live shows" -variety, drama, news, sports, and on-the-spot "remote" broadcasts of campus activities. Two new one half hour feature productions will be: "WHRC Presents" and "WBMC Presents". "WHRC Presents" will be a variety show with a combined cast of Haverford and Bryn Mawr. Now in final stages of rehearsal, "WBMC Presents", an all-girlie show produced and directed by the members of the Bryn Mawr radio station. [illegible] P.M. [illegible]. [illegible]

THE ANNOUNCEMENT COVERING USE OF ELECTRICAL TRANSCRIPTION AND/OR RECORDING WAS MADE IN ACCORDANCE WITH THE LAW, AND SO INDICATED IMMEDIATELY ADJOINING THE SPOT AND PROGRAM LISTING

A—100 WORDS OR 1 MIN.	N—NETWORK	SB—STATION BREAK	
C—COMMERCIAL	P—PHONOGRAPH RECORDS	SP—STATION PROMOTION	T-Temple
ET—ELECTRICAL TRANSCRIPTION	PSA—PUBLIC SERVICE ANNO.	W—WIRE	P-Penn
L—LIVE	S—SUSTAINING		H-Haverford
			* Central

PICN

[redacted] PROGRAM SCHEDULE FOR Monday, October 17, 1949

PROGRAM TIME			PROGRAM TITLES	SPONSORS	NETWORK NEWS & STUDIO	ANN'R	ENG'R	TIME RECORD				TYP
								PGM-ANNCT.		STATION IDENT.	ANN. SIG.	
H	M	S						ON	OFF			
12	28	10	National Anthem (ET)		D*	MAC	MAC					
12	29	30	Sign On		D*	MAC	MAC					
12	30	00	PLATTER LUNCHEON (PR)		D*	MAC	MAC					
12	59	30	Circle Cleaners Spot	Circle Cl.	D*	MAC	MAC					
1	00	00	TEMPLE NEWS REPORTER	Temple News	D	JL- MAC	MAC					
1	09	30	Plug		D*	MAC	MAC					
1	10	00	MIDWAY MUSIC HOUR (PR)	Midway Mus.	D*	BB	BB					
1	59	30	Plug		D*	BB	BB	REM:	Al Alberts Sings ET; D at 1:30 (LZ-MG-JK)			
2	00	00	UNDER THE CAPITOL DOME		D	JM	BB					
2	04	30	Plug		D*	BB	BB					
2	05	00	CAMPUS INTERVIEWS		C	MAC- GB	[redacted] RH-GJ					
2	14	30	Plug		C*	RH	RH					
2	15	00	AL ALBERTS SINGS		D	LZ	MG (JK)					
2	29	30	[redacted] Uptown Rest. Spot	Uptown Rest	D	LZ	MG					
2	30	00	TEMPLE FORUM		A	PY	RH (KB)					
2	59	30	Plug		A	PY	RH					
3	00	00	UNITED PRESS NEWS		T-D*	LZ	LZ					
3	04	30	PPlug		D*	MG	MG					
3	05	00	SPORTS REVIEW		T-D*	JK	RH					
3	14	30	Plug		C*	RH	RH					
3	15	00	GUEST STAR (ET #G119)		T-D*	MG	MG					
3	29	30	Plug		D*	MG	MG					
3	30	00	WORST ON WAX (PR)		T-D*	KB	KB					
3	44	30	Plug		D*	KB	KB					
3	45	00	DEE JAY FOR A DAY (PR)		T-D	FOR	KB					
3	59	30	Plug		D*	KB	KB					
4	00	00	COED'S CORNER		T-C	RR	AK					
4	04	30	Plug		C*	AK	AK					
4	05	00	ACCENT ON MUSIC (PR)		T-D*	PY	PY					
4	29	30	Circle Cleaners Spot	Circle Cl.	D	AK	PY					
4	30	00	MELODY MATINEE (PR)		T-D*	KB	KB	REM:	[illegible] E L V W 4 30 [illegible] LZ E ([illegible]-JK)			
4	44	30	Plug		D	AK	KB					

PGM 2M 7-48 S.T.CO

THE ANNOUNCEMENT COVERING USE OF ELECTRICAL TRANSCRIPTION AND/OR RECORDING WAS MADE IN ACCORDANCE WITH THE LAW, AND SO INDICATED IMMEDIATELY ADJOINING THE SPOT AND PROGRAM LISTING

A—100 WORDS OR 1 MIN.
C—COMMERCIAL
ET—ELECTRICAL TRANSCRIPTION
L—LIVE

N—NETWORK
P—PHONOGRAPH RECORDS
PSA—PUBLIC SERVICE ANNO.
S—SUSTAINING

SB—STATION BREAK
SP—STATION PROMOTION
W—WIRE

[redacted] PICN
PROGRAM SCHEDULE FOR Monday, October 17, 1949

Page 2

PROGRAM TIME			PROGRAM TITLES	SPONSORS	[illegible] REMO & STUDIO	ANN'R	ENG'R	TIME RECORD				TYPE
								PGM-ANNCT.		STATION IDENT.	ANN. SIG.	
H	M	S						ON	OFF			
4	45	00	TIME OUT		T-C*	MAC	MAC	REH: Joyce & Jack St. b at 4:30 (~~KB~~-~~LF~~-LIE) PY				
4	49	30	Plug		D*	AK	AK					
4	50	00	SPORTS FINAL		T-D	MP	AK					
4	59	30	Plug		D*	AK	AK					
5	00	00	FIVE O'CLOCK EDITION		T-C	KB-MAC	MAC					
5	14	30	Plug		D*	AK	AK					
5	15	00	JOYCE & JACK		T-B	PY ~~KB~~	LF (LIE)					
5	29	30	Plug		D*	AK	AK					
5	30	00	T. B. A. (PR)		T-D*	AK	AK					
5	59	30	Plug		D*	AK	AK					
6	00	00	T. B. A. (PR)		P-C		MAC					
6	29	30	Plug		D*	MAC	MAC					
6	30	00	SUNSET SERENADE (PR)		P-C		MAC					
6	59	30	Plug		C*	MAC	MAC					
7	00	00	SPORTS		P-C		MAC					
7	14	30	Plug		C*	MAC	MAC					
7	15	00	PLATTER TIME (PR)		P-C*		MAC					
7	29	30	Plug		C*	MAC	MAC					
7	30	00	PIANO RAMBLINGS		P-C		MAC					
7	44	30	Plug		C*	MAC	MAC					
7	45	00	RADIO JOURNAL		P-C		MAC					
7	59	30	Plug		C*	MAC	MAC					
8	00	00	OVERTURES (PR)		P-C		MAC					
8	29	30	Plug		C*	MAC	MAC					
8	30	00	UNTIL MR. REINISCH DECIDES		P-C		TED					
8	59	30	Plug		C*	TED	TED					
9	00	00	UNITED PRESS NEWS		C*	TED	TED	Return to network at 9:05				
9	04	30	Plug		C*	TED	TED					
9	05	00	COMPOSER'S CORNER		P-C		TED					
9	29	30	Plug		C*	TED	TED					
9	30	00	HAVERFORD PLAYHOUSE		H-C		TED					
10	14	30	Plug		C*	TED	TED					

PGM 2M 7-48 DITTO

THE ANNOUNCEMENT COVERING USE OF ELECTRICAL TRANSCRIPTION AND/OR RECORDING WAS MADE
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A—100 WORDS OR 1 MIN.	N—NETWORK	SB—STATION BREAK
C—COMMERCIAL	P—PHONOGRAPH RECORDS	SP—STATION PROMOTION
ET—ELECTRICAL TRANSCRIPTION	PSA—PUBLIC SERVICE ANNO.	W—WIRE
L—LIVE	S—SUSTAINING	

PICN
[redacted] PROGRAM SCHEDULE FOR Monday, October 17, 1949 Page 3

PROGRAM TIME			PROGRAM TITLES	SPONSORS	NETWORK KEYED & STUDIO	ANN'R	ENG'R	TIME RECORD				TYPE
								PGM-ANNCT.		STATION IDENT.	ANN. SIG.	
H	M	S						ON	OFF			
10	15	00	GAY PAREE (ET)		H-C		TED					
10	29	30	Plug		C*	TED	TED					
10	30	00	"580" CLUB		H-C	T	TED					
10	59	30	Plug		C*	TED	TED					
11	00	00	UNITED PRESS NEWS		C*	TED	TED					
11	04	30	Sign Off		C*	TED	TED					

ANNOUNCER-ENGINEER SHIFTS
2:00-3:15 Bob Harmon (C)
1:30-3:30 Mort Gordon (B & D)
4:05-4:45; 4:50-6:00 Annie Katinsky (D)
4:30-5:30 Lou Fisher (B)
6:00-8:30 Gordon MacIntyre (C)
8:30-11:05 Ted Borr (C)

SUPERVISING ENGINEER
12:30-3:00
3:00-6:00

PGM 2M 7-48 DITTO

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A—100 WORDS OR 2 MIN.
C—COMMERCIAL
ET—ELECTRICAL TRANSCRIPTION
L—LIVE

N—NETWORK
P—PHONOGRAPH RECORDS
PSA—PUBLIC SERVICE ANNO.
S—SUSTAINING

SB—STATION BREAK
SP—STATION PROMOTION
W—WIRE

[redacted] PICN
PROGRAM SCHEDULE FOR Tuesday, October 18, 1949

Page 1

PROGRAM TIME			PROGRAM TITLES	SPONSOR	[illegible] STUDIO	ANN'R	ENGR	TIME RECORD				[illegible]
								PROGRAM NET.		STATION IDENT.	[illegible]	
H	M	S						ON	OFF			
12	28	10	National Anthem (ET)		D*	MP	MP					
12	29	30	Sign On		D*	MP	MP					
12	30	00	PLATTER LUNCHEON (PR)		D*	MP	MP					
12	59	30	Circle Cleaners Spot	Circle Cl.	D*	MP	MP					
1	00	00	TEMPLE NEWS REPORTER	Temple News	D*	EL- MP	MP	Tape Record Joy Gains in B at 1:00. (AC-BB-DH)				
1	09	30	Plug		D*	MP	MP					
1	10	00	MIDWAY MUSIC HOUR (PR)	Midway Co.	D*	SEG	SEG	REH: Sentimental Journ. 1:30 in B				
1	59	30	Plug		D*	SEG	SEG					
2	00	00	UNDER THE CAPITOL DOME		D	JC	SEG					
2	04	30	Plug		D*	SEG	SEG					
2	05	00	MEET THE FACULTY		C	MP	[redacted] JS-GF					
2	14	30	Plug		C*	JS	JS					
2	15	00	SENTIMENTAL JOURNEY		B	BF	MG (DH)					
2	29	30	Uptown Rest. Spot	Uptown Rest.	B	BF	MG					
2	30	00	I. Q. REVIEW		C	MH	JS (JD)					
2	59	30	Plug		C*	JS	JS					
3	00	00	UNITED PRESS NEWS		D*	DS	DS					
3	04	30	Plug		D*	MG	MG					
3	05	00	SPORTS NEWS		C	GF	JS					
3	14	30	Plug		C*	JS	JS					
3	15	00	NAVAL AIR RESERVE SHOW (ET # NAR 0)		D*	MG	MG					
3	29	30	Plug		D*	MG	MG					
3	30	00	JAZZ JAMBOREE (PR)		D*	GR	GF					
3	44	30	Plug		D*	GF	GF					
3	45	00	DEE JAY FOR A DAY (PR)		D	BF	GF					
3	59	30	Plug		D*	GB	GF					
4	00	00	COED'S CORNER		C	GB	AE					
4	04	30	Plug		C*	AE	AE					
4	05	00	ACCENT ON MUSIC (PR)		D*	MS	MS					
4	29	30	Circle Cleaners Spot	Circle Cl.	D*	AE	MS					
4	30	00	MELODY MATINEE (PR)		D*	LZ	LZ					
					D*							

D*

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C—COMMERCIAL
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L—LIVE

N—NETWORK
P—PHONOGRAPH RECORDS
PSA—PUBLIC SERVICE ANNO.
S—SUSTAINING

SI—STATION IDENT.
SP—STATION PROMOTION
W—WIRE

[redacted] PICN
PROGRAM SCHEDULE FOR Tuesday, October 18, 1949

Page 2

PROGRAM TIME			PROGRAM TITLES	SPONSORS	NETWORK REMO & STUDIO	ANN'R	ENG'R	TIME RECORD				TYPE
								PGM-ANNCT.		STATION IDENT.	ANN'N. SHT.	
H	M	S						ON	OFF			
4	44	30	Plug		D	AE	LZ					
4	45	00	TIME OUT		C*	SF	SF					
4	49	30	Plug		D*	AE	AE					
4	50	00	SPORTS FINAL		D	LZ	AE					
4	59	30	Plug		D*	AE	AE					
5	00	00	FIVE D'CLOCK EDITION		D	BF-SF	SF					
5	14	30	Plug		D*	AE	AE					
5	15	00	LULLABIES & RHYTHM		B	MH	JC (MH)					
5	29	30	Plug		D*	AE	AE					
5	30	00	T. B. A. (PR)		D*	AE	AE	REH: Song is You St. B at 5:30 (MH-LC-JS)				
5	59	30	Plug		D*	AE	AE					
6	00	00	T. B. A. (PR)		P-C		TED					
6	29	30	Plug		C*	TED	TED					
6	30	00	SUNSET SERENADE (PR)		P-C		TED					
6	59	30	Plug		C*	TED	TED					
7	00	00	SPORTS		P-C		TED					
7	14	30	Plug		C*	TED	TED					
7	15	00	PLATTER TIME (PR)		P-C		TED					
7	29	30	Plug		C*	TED	TED					
7	30	00	EDDIE DUCHIN SHOW (ET)		P-C		TED					
7	44	30	Plug		C*	TED	TED					
7	45	00	AROUND THE TOWN		P-C		TED					
7	59	30	Plug		C*	TED	TED					
8	00	00	REQUESTFULLY Y OURS (PR)		P-C		TED					
8	59	30	Plug		C*	AE	AE					
9	00	00	UNITED PRESS NEWS		C*	AE	AE	Return to network at 9:05:00				
9	04	30	Plug		C*	AE	AE					
9	05	00	SHOWTIME (PR)		P-C		AE					
9	29	30	Plug		C*	AE	AE					
9	30	00	CLASSICAL HOUR (PR)		P-C		AE					
10	59	30	Plug		C*	AE	AE					

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A--100 WORDS OR 1 MIN.
C--COMMERCIAL
ET--ELECTRICAL TRANSCRIPTION
L--LIVE

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P--PHONOGRAPH RECORDS
PSA--PUBLIC SERVICE ANNO.
S--SUSTAINING

SB--STATION BREAK
SP--STATION PROMOTION
W--WIRE

PICN
[redacted] PROGRAM SCHEDULE FOR Tuesday, October 18, 1949

PROGRAM TIME			PROGRAM TITLES	SPONSORS	NETWORK REMO & STUDIO	ANN'R	ENG'R	TIME RECORD				TYPE
								PGM-ANNCT.		STATION IDENT.	ANN. SIG.	
H	M	S						ON	OFF			
11	00	00	UNITED PRESS NEWS		C*	AE	AE					
11	04	30	Sign Off		C*	AE	AE					

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A—100 WORDS OR [illegible]	N—NETWORK	SB—STATION BREAK
C—COMMERCIAL	P—PHONOGRAPH RECORDS	SP—STATION PROMOTION
ET—ELECTRICAL TRANSCRIPTION	PSA—PUBLIC SERVICE ANNO.	W—WIRE
L—LIVE	S—SUSTAINING	

PICH

[redacted] PROGRAM SCHEDULE FOR Wednesday, October 19, 1949

Page 1

PROGRAM TIME			PROGRAM TITLES	SPONSORS	[illegible] NEMO & TIME	ANN'R	ENG'R	TIME RECORD				TYPE
								PGM-ANNCT.		STATION IDENT.	ANN. SIG.	
H	M	S						ON	OFF			
12	28	10	National Anthem (ET)		D*	PY	PY					
12	29	30	Sign On		D*	PY	PY					
12	30	00	PLATTER LUNCHEON (PR)	1. Temple Grille	D*	PY	PY					
12	59	30	Circle Cleaners Spot	Circle Cl.	D*	PY	PY					
1	00	00	TEMPLE NEWS REPORTER	Temple News	D	MH	PY					
1	09	30	Plug		D*	PY	PY					
1	10	00	MIDWAY MUSIC HOUR (PR)	Midway Co.	D*	SF	SF					
1	59	30	Plug		D*	SF	SF					
2	00	00	UNDER THE CAPITOL DOME		/ D	PY	SF					
2	04	30	Plug		D*	SF	SF					
2	05	00	MAN IN MITTEN		C	DH	JK (MG)					
2	14	30	Plug		C*	JK	JK					
2	15	00	THE SONG IS YOU (Record on tape for IBS)		B	MH	LC (JS)					
2	29	30	Uptown Rest. SPot	Uptown Rest	B	MH	LC					
2	30	00	POT POURRI (PR)		D*	SEG	SEG					
2	59	30	Plug		D*	SEG	SEG					
3	00	00	UNITED PRESS NEWS		C*	RH	RH					
3	04	30	Plug		D*	LC	LC					
3	05	00	SPORTS WHIRL		D	LIR	LC					
3	14	30	Plug		D*	LC	LC					
3	15	00	HERE'S TO VETS (ET#V131)		D*	LC	LC					
3	29	30	Plug		D*	LC	LC					
3	30	00	RECORD REVIVALS (PR)		D*	DH	DH					
3	44	30	Plug		D*	DH	DH					
3	45	00	DEE JAY FOR A DAY (PR)		D	FOR	DH					
3	59	30	Plug		D*	DH	DH					
4	00	00	COED'S CORNER		C	RS	DG					
4	04	30	Plug		C*	DG	DG					
4	05	00	ACCENT ON MUSIC (PR)		D*	DS	DS					
4	29	30	Circle Cleaners Spot	Circle Cl.	D*	DG	DS					
4	30	00	MELODY MATINEE (PR)		D*	SEG	SEG					
4	44	30	Plug		D	DS	SEG					

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A—100 WORDS OR 1 MIN.
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PSA—PUBLIC SERVICE ANNO.
S—SUSTAINING

SB—STATION BREAK
SP—STATION PROMOTION
W—WIRE

PICN
PROGRAM SCHEDULE FOR Wednesday, October 19, 1949

Page 2

PROGRAM TIME			PROGRAM TITLES	SPONSORS	NETWORK REMO & STUDIO	ANN'R	ENG'R	TIME RECORD				TYPE
								PGM-ANNCT.		STATION IDENT.	ANN. SIG.	
H	M	S						ON	OFF			
4	45	00	TIME OUT		C*	DS	DS					
4	49	30	Plug		D*	DG	DG					
4	50	00	SPORTS FINAL		D	GF	DG					
4	59	40	Plug		D*	DG	DG					
5	00	00	FIVE O'CLOCK EDITION		C	DH- DS	DS					
5	14	30	Plug		D*	DG	DG					
5	15	00	SONGS BY JOY GOINS (TT)		B*	JK	AE (AC)					
5	29	30	Plug		D*	DG	DG					
5	30	00	T. B. A. (PR)		D*	DG	DG					
5	59	30	Plug		D*	DG	DG					
6	00	00	T. B. A. SUNSET SERENADE (PR)		P-C							
6	29	30	Plug		C*							
6	30	00	SUNSET SERENADE (PR)		P-C							
6	59	30	Plug		C*							
7	00	00	SPORTS		P-C							
7	14	30	Plug		C*							
7	15	00	PLATTER TIME (PR)		P-C							
7	29	30	Plug		C*							
7	30	00	MAGIC KEYS		P-C							
7	44	30	Plug		C*							
7	45	00	WHAT IS YOUR FUTURE?		P-C							
7	59	30	Plug		C*							
8	00	00	FOCUS		P-C							
8	59	30	Plug		C*							
9	00	00	UNITED PRESS NEWS		C*			Return to network at 9:05				
9	04	30	Plug		C*							
9	05	00	EDUCATION IN MUSIC (PR)		P-C							
9	29	30	Plug		C*							
9	30	00	DRAMATIC INTERLUDE		H-C							
9	59	30	Plug		C*							

GM 2M 7-48 DITTO

THE ANNOUNCEMENT COVERING USE OF ELECTRICAL TRANSCRIPTION AND/OR RECORDINGS WAS MADE IN ACCORDANCE WITH THE LAW AND SO INDICATED IMMEDIATELY ADJOINING THE SPOT AND PROGRAM LISTING

A—100 WORDS OR 1 MIN.	N—NETWORK	SB—STATION BREAK
C—COMMERCIAL	P—PHONOGRAPH RECORDS	SP—STATION PROMOTION
ET—ELECTRICAL TRANSCRIPTION	PSA—PUBLIC SERVICE ANNO.	W—WIRE
L—LIVE	S—SUSTAINING	

PICN
PROGRAM SCHEDULE FOR Wednesday, October 19, 1949

Page 3

PROGRAM TIME			PROGRAM TITLES	SPONSORS	[illegible]	ANN'R	ENG'R	TIME RECORD				TYPE
								PGM-ANNCT.		STATION IDENT.	ANN. SIG.	
H	M	S						ON	OFF			
10	00	00	DISC JOCKEY SHOW (PR)		H-C							
10	29	30	Plug		C*							
10	30	00	CLUB 33 (PR)		H-C							
10	59	30	Plug		C*							
11	00	00	UNITED PRESS NEWS		C*							
11	04	30	Sign Off		C*							

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N—NETWORK
P—PHONOGRAPH RECORDS
PSA—PUBLIC SERVICE ANNO.
S—SUSTAINING

SB—STATION BREAK
SP—STATION PROMOTION
W—WIRE

PICN
PROGRAM SCHEDULE FOR Thursday, October 20, 1949

Page 1

PROGRAM TIME			PROGRAM TITLES	SPONSORS	NETWORK NEMO & STUDIO	ANN'R	ENG'R	TIME RECORD				TYPE
H	M	S						PGM-ANNCT. ON	PGM-ANNCT. OFF	STATION IDENT	ANN. SIG.	
12	28	10	National Anthem (ET)		D*	JH	JH					
12	29	30	Sign On		D*	JH	JH					
12	30	00	PLATTER LUNCHEON (PR)	1. Col Bowl	D*	JH	JH					
12	59	30	Circle Cleaners Spot	Circle Cl.	D*	JH	JH					
1	00	00	TEMPLE NEWS REPORTER	Temple News	D	EL	JH					
1	09	30	Plug		D*	JH	JH					
1	10	00	MIDWAY MUSIC HOUR (PR)	Midway Co.	D*	DH	DH	REH: Temple Doings St. at 1:30 REH: Stars of Tomor. St. B at 1:30 (EL-AK-NS)				
1	59	30	Plug		D*	DH	DH					
2	00	00	UNDER THE CAPITOL DOME		D	WD	DH					
2	04	30	Plug		D*	DH	DH					
2	05	00	TEMPLE DOINGS		C	GF-FOR	AK					
2	14	30	Plug		C*	WD	WD					
2	15	00	STARS OF TOMORROW		B	EL	AK (NS)					
2	29	30	Uptown Rest. Spot	Uptown Rest.	B	EL	AK					
2	30	00	T. B. A. (PR)		D*	KB	KB					
2	59	30	Plug		D*	AK	AK					
3	00	00	UNITED PRESS NEWS		C*	EL	EL					
3	04	30	Plug		C*	AK	AK					
3	05	00	SPORTS SPOTLITE		D	GF	KB					
3	14	30	Plug		D*	WD	WD					
3	15	00	NAVY BAND (ET # NB 1)		D*	KB	KB					
3	29	30	Plug		D*	WD	WD					
3	30	00	STRICTLY INSTRUMENTAL (PR)		D*	NS	NS					
3	44	30	Plug		D*	NS	NS					
3	45	00	DEE JAY FOR A DAY (PR)		D	BF	NS					
3	59	30	Plug		D*	NS	NS					
4	00	00	CORD'S CORNER		C	FOR	TED					
4	04	30	Plug		C*	TED	TED					
4	05	00	ACCENT ON MUSIC (PR)		D*	JH	JH					
4	29	30	Circle Cleaners Spot	Circle Cl.	D*	TED	JH					
4	30	00	MELODY MATINEE (LP)		C*	KS	KS					
4	44	30	Plug		C*	TED	TED					

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PSA—PUBLIC SERVICE ANNO.
S—SUSTAINING

SB—STATION BREAK
SP—STATION PROMOTION
W—WIRE

[redacted] WICN PROGRAM SCHEDULE FOR Thursday, October 20, 1949 Page 2

PROGRAM TIME			PROGRAM TITLES	SPONSORS	[illegible]	ANN'R	ENG'R	TIME RECORD				[illegible]
H	M	S						PGM-ANNCT. ON	OFF	STATION IDENT	ANN. [illegible]	
4	45	00	TIME OUT		C*	AE	AE					
4	49	30	Plug		D*	TED	TED					
4	50	00	SPORTS FINAL		D	MH	TED					
4	59	40	Plug		D*	TED	TED					
5	00	00	FIVE O'CLOCK EDITION		D	KS-AE	AE					
5	14	30	Plug		D*	A [redacted]	AE [redacted]					
5	15	00	MUSIC & MEMORIES		B	BF	WD (BF)					
5	29	30	Plug		D*	AE [redacted]	[redacted] AE					
5	30	00	T. B. A. (PR)		D*	AE [redacted]	AE [redacted]					
5	59	30	Plug		D*	AE [redacted]	AE [redacted]					
6	00	00	T. B. A. (PR)		P-C		TED					
6	29	30	Plug		C*	TED	TED					
6	30	00	SUNSET SERENADE (PR)		P-C		TED					
6	59	30	Plug		C*	TED	TED					
7	00	00	SPORTS		P-C		TED					
7	14	30	Plug		C*	TED	TED					
7	15	00	PLATTER TIME		P-C		TED					
7	29	30	Plug		C*	TED	TED					
7	30	00	LEAVE IT TO THE GIRLS		P-C		TED					
7	44	30	Plug		C*	TED	TED					
7	45	00	WEEKEND ROUNDUP		P-C		TED					
7	59	30	Plug		C*	TED	TED					
8	00	00	ADVENTURES INTO JAZZ (PR)		P-C		TED					
8	29	30	Plug		C*	TED	TED					
8	30	00	ANIMAL, VEGETABLE		P-C		LF					
8	59	30	Plug		C*	LF	LF					
9	00	00	UNITED PRESS NEWS		C*	LF	LF	Return to Network at 9:05				
9	04	30	Plug		D*	LF	LF					
9	05	00	THAT'S DEBATABLE		P-C		LF					
9	29	30	Plug		C*	LF	LF					
9	30	00	CLASSICAL HOUR (PR)		H-C		LF					

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ET—ELECTRICAL TRANSCRIPTION	PSA—PUBLIC SERVICE ANNO.	W—WIRE
L—LIVE	S—SUSTAINING	

[redacted] PICN
PROGRAM SCHEDULE FOR Thursday, October 20, 1949

Page 3

PROGRAM TIME			PROGRAM TITLES	SPONSORS	NETWORK NEMO & STUDIO	ANN'R	ENG'R	TIME RECORD				TYPE
								PGM-ANNCT.		STATION IDENT.	ANN. SIG.	
H	M	S						ON	OFF			
10	59	30	Plug		C*	LF	LF					
11	00	00	NEWS		C*	LF	LF					
11	04	30	Sign Off		C*	LF	LF					

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PICN

PROGRAM SCHEDULE FOR Friday, October 21, 1949

Page 1

PROGRAM TIME			PROGRAM TITLES	SPONSORS	[illegible] REM & [illegible]	ANN'R	ENG'R	TIME RECORD				TYP
								PGM-ANNCT.		STATION IDENT.	ANN. SIG.	
H	M	S						ON	OFF			
12	28	10	National Anthem (ET)		D*	LZ	LZ					
12	29	30	Sign On		D*	LZ	LZ					
12	30	00	PLATTER LUNCHEON (PR)		D*	LZ	LZ					
12	59	30	Circle Cleaners Spot	Circle Cl.	D*	LZ	LZ					
1	00	00	TEMPLE NEWS REPORTER	Temple News	D	MH- LZ	LZ					
1	09	30	Plug		D*	LZ	LZ					
1	10	00	MIDWAY MUSIC HOUR (PR)	Midway Mus.	D*	JK	JK					
1	59	30	Plug		D*	JK	JK	REM: Tea for Two St. B at 1:30 (BB-LF-CRO)				
2	00	00	UNDER THE CAPITOLDOME		D	MH	JK					
2	04	30	Plug		D*	JK	JK					
2	05	00	PHILADELPHIA DOINGS		C	JS- BT	AK (DG)					
2	14	30	Plug		C*	AK	AK					
2	15	00	TEA FOR TWO		B	BB	LF (CRO)					
2	29	30	Uptown Rest. Spot	Uptown Rest.	B	BB	LF					
2	30	00	THIS WEEK AT TEMPLE (TT		B*		Sup. Eng.					
2	59	30	Plug		C*	AK	AK					
3	00	00	UNITED PRESS NEWS		C	MP	AK					
3	04	30	Plug		C*	LF	LF					
3	05	00	SPORTS FORUM		D	EL	AK					
3	14	30	Plug		D*	AK	AK					
3	15	00	HARRY JAMES SHOW (ET # HJ 15)		D*	AK	AK					
3	29	30	Plug		D*	AK	AK					
3	30	00	RECORD REVIEW (PR)		D*	MAC	MAC					
3	44	30	Plug		D*	MAC	MAC					
3	45	00	DEE JAY FOR A DAY (PR)		D	FOR	MAC					
3	59	30	Plug		D*	MAC	MAC					
4	00	00	COED'S CORNER		C	RC	NM					
4	04	30	Plug		C	DG	NM					
4	05	00	ACCENT ON MUSIC (LP)		D*	NM	NM					
4	29	30	Circle Cleaners Spot	Circle Cl.	C	DG	NM					
4	30	00	MELODY MATINEE (PR)		D*	BB	BB					

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W—WIRE

[redacted] PICN
PROGRAM SCHEDULE FOR Friday, October 21, 1949 Page 2

PROGRAM TIME			PROGRAM TITLES	SPONSORS	NETWORK NEMO & STUDIO	ANN'R	ENG'R	TIME RECORD				T
H	M	S						PGM-ANNCT. ON	PGM-ANNCT. OFF	STATION IDENT.	ANN. SIG.	
4	44	30	Plug		D	DG	BB					
4	45	00	TIME OUT		C*	NM	NM					
4	49	30	Plug		D*	DG	DG					
4	50	00	SPORTS FINAL		D	MAC	DG					
4	59	30	Plug		D*	DG	DG					
5	00	00	FIVE O'CLOCK EDITION		C*	NM	NM					
5	14	30	Plug		D*	DG	DG					
5	15	00	VOCAL STYLINGS (PR)		D*	NM	NM					
5	29	30	Plug		D*	DG	DG					
5	30	00	T. B. A. (PR)		D*	DG	DG					
5	59	30	Plug		D*	DG	DG					
6	00	00	T. B. A. (PR)		P-C		DG					
6	29	30	Plug		C*	DG	DG					
6	30	00	SUNSET SERENADE (PR)		P-C		JB					
6	59	30	Plug		C*	JB	JB					
7	00	00	SPORTS		P-C		JB					
7	14	30	Plug		C*	JB	JB					
7	15	00	PLATTER TIME (PR)		P-C		JB					
7	29	30	Plug		C*	JB	JB					
7	30	00	ONE NIGHT STAND (PR)		P-C		JB					
7	59	30	Plug		C*	JB	JB					
8	00	00	REQUESTFULLY YOURS (PR)		P-C		JB					
8	59	30	Plug		C*	JB	JB					
9	00	00	UNITED PRESS NEWS		C*	JB	JB	Return to network at 9:05				
9	04	30	Plug		C*	JB	JB					
9	05	00	MUSIC AS I LIKE IT (PR)		P-C		JB					
9	29	30	Plug		C*	JB	JB					
9	30	00	SCHYULKILL FIVE		H-C		JB					
9	59	30	Plug		C*	JB	JB					
10	00	00	DANCE DATE (PR)		H-C		JB					
10	59	30	Plug		C*	JB	JB					
11	00	00	UNITED PRESS NEWS		C*	JB	JB					
11	04	30	Sign Off		C*	JB	JB					

PGM 2M 7-48 DITTO

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

Stationery printed by The college printing concession
Spring 1949.

The Voice Of Haverford . . . 580 On Your Dial

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

STATIONERY PRINTED BY THE LAKEVILLE JOURNAL
LAKEVILLE,
CONN.

during August 1950

D. W. Hardy.

BOARD MEETING
– FEB. 27, 1950

DINING ROOM – POLL (YES, NO, INDIFFERENT)
BILL MIDDLETON, I [illegible], SPRITZLER'S
Are you in favor of continuing the evening dinner music?
~~[illegible]~~

John Middleton & Sons:
233 S. 3rd St.
Phila.

Dear Sirs:
Enclosed herewith our bill for ~~4~~ six fifteen minute ~~programs~~ broadcasts of [illegible], with Art Segal.

Dates of Broadcasts	
JAN 16.	$3.00
JAN. 23	3.00
FEB. 6	3.00
" 13	3.00
20	
27	

TOTAL $18.00

PLEASE MAKE CHECK PAYABLE TO RADIO STATION WHAC

Board Meeting - May 22 '50

Next year's appointed offices

Business manager: Roger Jones appointed acting sales manager for summer period.

Publicity Director: Clark Johnson appointed with option of being replaced in fall.

Letters to freshmen discussed and dropped.

Board Meeting - Sept 21, 1950

John [illegible] appt. temp. tech mgr

John [illegible] appt. temp. secretary

Ken [illegible] [illegible] chairman of [illegible] comm. to choose his own comm.

No action taken on Business or Publicity [illegible]

Friday 22 [illegible] at [illegible] PM - meeting of [illegible] new [illegible] a [illegible]

Enforcement of ratification of [illegible] considered desirable - [illegible]

Oct 3 [illegible] set as tentative [illegible]

Ed [illegible] appt. Publicity [illegible]

Matter of news brought up:-
Time of board meeting brought up: 2:00 P.M.
Wednesday tentatively decided on.
Phone to be put in as of first day of board meeting. Hardy volunteered to put up deposit.

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

September 13, 1950

Mailing Address: Radio Station WHRC
Union Hall,
Haverford College,
Haverford, Penna.

Telephone: ARDMORE, Pa.

Board of Directors:

Station Manager - Daniel W. Hardy
9 Lloyd Hall

Program Director - Edge Grant

Technical Manager - Bill Melcher (resigned

Chief Program Engineer - Pete Haviland

Production Manager - John Somerndike

Treasurer - Joe C. Brown

Secretary - John Lamperti

---

other officers to be announced:

Special Events Director

Publicity Director

Sales Manager

Record Librarian

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

September [illegible], [illegible]

The board meeting was held at [illegible] P.M., as scheduled, all members present. President [illegible] read a letter from IBS demanding that WHAV pay [illegible] for [illegible] year, and that it pay the dues for the present year, otherwise the station would be dropped from membership by Jan 1, 1951 in the IBS. There was some discussion concerning the value of remaining in IBS. The action was postponed until the Students' Council presented the station with its first quarter allotment. There was discussion on a number of items to be submitted to the Students' Council. It was decided to put a provision for publicity blotters, as had been done in a previous year. Clark Johnson was elected Publicity Director. Two other positions, (Special Events Director and Record Librarian) were left open until a future date. It was suggested that the position of Record Librarian be given to a deserving Freshman. The meeting was adjourned at 9:00.

Respectfully Submitted,

John R. [illegible]

John R. [illegible]
Secretary

THE VOICE OF HAVERFORD----580 KILOCYCLES ON YOUR DIAL

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

MINUTES OF BOARD MEETING SEPT. 28, 1951

As soon as I arrived Mr. Grant suggested that I post the minutes of the meetings, which I agreed to do. Dan Hardy next gave an explanation of how Casselli was violating a state law in the handling of certain funds. Ifailed to follow the explanation, however the result of "All-Dough's" actions is that WHRC will now have its own bank account. Dan then reminded us that a necessary minimum would have to be kept in the account, and that all finances were Bruce Hollman's responsibility. We then moved on to the main topic of the afternoon, the budget. The Council asked that the budget be as simple and non-technical as possible. THis topic Consumedthe remainder of the afternoon and was too complicated for me to outline here. Edge and I were required to leave for practice.

Respectfully submitted
Joseph E. Helwig
Secretary WHRC

WHRC
Haveford College

Minutes

Oct. 11, 1950

Meeting called to order at 2:00. All members present. President Hardy went over the budget. There was general discussion about which items should be cut. It was decided not to broadcast away games during the football season, unless money could be obtained from sources other than the Student's Council. Ken Nelson was appointed to the post of Special Events Director. Tom Ruth and Fred Ostler were appointed Sports Directors. Tad Brewer was appointed Record LIbrarian.

Meeting adjourned at 3:00

Respectfully Submitted,
John R.
John R. Hitchcock, Secretary

WHRC
HAVERFORD COLLEGE

Oct. 25, 1950

Minutes

Meeting called to order at 2:00. Somerndike Absent. Hardy read a letter from the telephone company saying that the station had some money coming to it from tax refunds. The treasurer read a report of finances to this date. The present unpaid balance of ~~the~~ broadcasting the Juniata game is 23 dollars. The advisability of broadcasting the Susquehanna game was discussed. It was decided to do so if the money could be obtained from advertising. President Hardy suggested printing form posters for special events. It was decided that the sales manager would be responsible for the writing of advertising. President Hardy requested suggestions for popular records.

Meeting adjourned at 2:20

Respectfully submitted,

John R. Hitchcock, Secretary.

WHRC
HAVERFORD COLLEGE

Minutes

Nov. 1, 1950

Meeting called to order at 2:00. Haviland not present. The president brought forward the question as to who to have for advertising manager. Clark Johnson was appointed sales manager and Bob Butler was appointed to the post of publicity director which Johnson had vacated. Dan Hardy said that he had just visited Swarthmore's radio station. He mentioned that he was specifically interested in the manner in which they had their patch pannel mounted. He expressed the desire ~~that~~ for WHRC to have such a set up some time. Clark Johnson announced that about 15 dollars of the expense of broadcasting the Juniata Game had been contracted for in advertising. There was discussion of the recent WHRC dance. Hardy expressed distinct discontent with the handling of this venture, especially in connection with the counting of the tickets and money taken in. Clark Johnson said that he would take responsibility in writing ads. It was decided to hold a staff meeting ~~next~~ on the next Wednesday. Meeting adjourned at 3:10

Respectfully Submitted,

John R. Hitchcock

John R. Hitchcock, Secretary

WHRC
HAVERFORD COLLEGE

Minutes — Nov. 15, 1950

President Hardy announced that the wire to Harcum has been completed. He also read a letter from the president of WSRN at Swarthmore, including a script for the program with Swarthmore on Thursday night. It was generally agreed that some changes in the proposed script were in order. There was some discussion of technicalities of production for the show. President Hardy then asked about the advisability of maintaining the present telephone loop in Ardmore. It was agreed to maintain it. President Hardy went over items in the budget to determine which items would have to be abandoned for this semester. This problem out of the way, President Hardy suggested that the station spend its allotment for records as quickly as possible. It was announced that Dave Denman and Jack Harris had resigned from the station. Clark Johnson stated that he wished to place the brunt of his responsibility on Lee Hummel until after the Christmas vacation. The next board meeting was set for the next Tuesday afternoon. It was decided to take up the matter of IBS dues at this time. Meeting adjourned at 3:15.

Respectfully Submitted

John R. Hitchcock, Secretary

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

16 January 1951

The regular meeting was called to order at 1:40

President Hardy read the mail for the week and then proceeded to discuss the recent WHRC elections. He read a letter from Don Broadbelt, which expressed "disgust" with the "railroading" tactics of President Hardy in the elections. President Hardy then read another letter in which Broadbelt offered his formal resignation from the position of sports director and the station itself. There was discussion about the advisability of holding another election. Hardy read a letter from John Hitchcock in which he declined the post of secretary as elected ~~xxxx~~ due to the disagreement about his right to the post. A motion to hold another election for the post of secretary was passed and the board gave it unanimous approval. It was pointed out that the ~~xotionxfor~~ actual motion for a reelection would have to come from the staff. The board then voted to hold a staff meeting in order to bring up this question. Haviland moved to table Broadbelt's resignation. Hardy called for discussion. Somerndike pointed out that Broadbelt had been lacking in interest in the station and suggested that Haviland's motion be passed. There was more discussion on whether it would be advantageous to try to keep Broadbelt on the staff. The board then voted down Haviland's motion, with Hardy casting the deciding vote. The question was raised whether the board could accept Broadbelt's resignation only in part. It was finally decided that the board should accept Broadbelt's resignation in its entirety. Dan Hardy said that the treasury ~~xxxx~~ now has about 40 dollars aside from all its liabilities. He said that he wished to spend some of this on records as soon as possible. Edge Grant brought up the matter of Stan Dennison's laxity in appearing for his program. Joe Brown moved that he lose his program. The board passed the motion unanimously. Dan Hardy suggested that WHRC go off the air on Tuesday, January 16. John Somerndike suggested that WHRC go off the air on the preceding Friday. The board at first decided in favor of Somerndike's proposal. But it reconsidered and finally decided to continue broadcasting until Tuesday. Meeting adjourned at 3:20

Respectfully Submitted

John P. Hitchcock

John P. Hitchcock, Secretary

16/3

Board meetings: Monday afternoons @ 2:00 P.M.

Spring 1951

opera hour.

program guide (W7LN)

WSRM [illegible] series

Sales Mgr. — Lee Hummel
Pub. Dir. — Aman [illegible]
Spec. Events — Dan Fascione
Record Lib. — Bruce Hallmann
Class. Hr. — Bill Morrison

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

BOARD MEETING MINUTES

March 6, 1951

There was discussion about Briod and Allison's disc jockey show. Singh and Grant related what they knew about the show. Edge said that there had been a number of instances of profanity on the show. Hardy said that the two had expressed a desire to go back on the air if possible. Somerndike suggested that they should be suppended. Hardy suggested that they be suspended for one month. somerndike said that would be just putting it off. He moved that they should be suspended for the rest of the semester. There was discussion in which Haviland suggested they justbe put on probation. Pete Haviland raised a complaint.about engineers not showing up for meetings of all the engineers. Dan Hardy agreed that some blanket action should be taken. There was discussion about broadc sting class night. Haviland moved that the station sho ld not broadcast on Friday and Thursday night.

Respectfully Submitted,
John R [illegible]
Secy.

Notes on mtg. of WHRC Board 3/3/41

Meeting was called to order at 9 20 by the chair

I Hardy brought up the subject of [illegible] [illegible]

1. Transcriptions from other stations.
2. Victor has raised prices on master cuttings.
3. We have orders from Bryn Mawr and [illegible] for about 90 records of Glee Club.

II. Change of frequency possible because of WHP — Harrisburg. Means getting new crystal, some expense and a lot of trouble. ~~[illegible]~~ We voted on going to 690 and passed unanimously. [illegible] will [illegible] to cost.

III. Pressing of selections from Sacred Music Concert. Cost is $80 for master and $1.25 per copy for lots of 50.

IV. Mass exodus from college activities; Burton and Singh resigned: presumably due to world situation and concentration on marks.

V. Council cut all budgets 5% to allow a larger reserve of funds for student [illegible]. Nothing has been done so far about our request for more funds from the council.

VI. The static state of affairs in the station activities: It is up to the board to keep things on the move. More special events are in order:

VII. Polls:

102450I

RELEASE DATE: 10/29/50 thru 11/1/50

Radio & Television Division
Public Relations Department
Community Chest Campaign Hdqrs.
Commercial Trust Building
Broad Street & South Penn Square
Philadelphia 2, Pennsylvania

LO 4-4010

SUBJENT: Community Chest Rally

It's kick-off time! Opening rally for Red Feather neighborhood volunteers, Wednesday evening...the Academy of Music at 8 p.m.

House-to-house solicitors for the 1951 Community Chest Campaign...The Red Feather opening rally is for you! That's the Academy of Music, 8 p.m. Wednesday.

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

April 11, 1951

BOARD MEETING MINUTES

Dan Hardy read a letter from Temple discussing a production clinic to be held at Temple on April 27. Dan said that the station would not be able to provid e the registration fee. Dan and Edge both stated that they would be able to go. Dan Hardy announced that the station is making a recording of the Keenan mass as sung by the college glee club. Apparently Keenan wishes a 50% royalty. Dan asked the board of the advisability of removing the union tower bathroom to provide more space for the station. It was agreed that it was a good idea.

Respectfully Submitted,

John R. [illegible]

Secy.

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

Board Meeting MINUTES

April 16, 1951

Meeting called to order at 1:45 P. M. Somerndike, Fascione, and Dunn absent.

Dan Hardy opened the meeting by reading the contract from the New York times for next year's news broadcasts. He then read a letter from Gerald Keenan deciding finally upon a 25% commission on the sale of the records of his mass. Dan estimated that the gross receipts from this sale would run about $275. President Hardy next announced the general line up for special events for the next few weeks. On Tuesday, ~~November~~ April 17, there will be a rebroadcast of the Maids and Porter's show at Bryn Mawr. Tentative arrangements are being made for the broadcast of a Student's Council meeting. A recording will be made of the Collection on Tuesday, April 17. A recording will be made of Political Science majors talking with various people in Washington. Dan announced that he plans to meet with the production manager and special events director on Monday of each week in order to determine the time of special events broadcasts. Edge Grant brought up the question of whether or not to hold a station banquet. Dan Hardy said that if we do so there would be a possibility of getting Charles Shaw to speak. There was some discussion on the matter and the board voted to hold a banquet. Edge suggested that it would be a good idea to hold a staff meeting to discuss plans for the banquet. It was decided that there would be a staff meeting on Tuesday, April 24. Dan announced that Tim Bell had cut his program for the second time. After some discussion it was decided to put him on probation, with the provision that if he cuts his program once more he will most definitely lose it. Dan Hardy then suggested that it might be valuable to post the minutes of the board meeting each week. The board agreed unanimously with the idea. The problem of where to post the minutes brought up the question of what to do with the blackboard. It was agreed that it was more of a nuisance than anything else. Dan said that he would see Mr. Schroeder about having it replaced with a bulletin board.

Meeting adjourned at 2:45

Respectfully Submitted,

John R. Hitchcock

Secy.

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

MINUTES OF BOARD MEETING OCTOBER 25, 1951

The meeting was called to order by Dan Hardy after Grant, Morrison, Helweg, and Hollmann had appeared. The honorable Station Manager said that the most important business at hand was that of elections; sossome people were elected. The following positions were filled: Chief Program Engineer- John Somerndike, Sales Manager- Jim Coote, Special Events Director- Ken Nelson, and Acting Record Librarians- Gifford and Kepner. The position of Publicity Director was left vacant due to discrepancies and uncertainties which will be settled at the next meeting. After Somerndike's elction he also appeared and joined in the fun.

When the elections were over there was a brief pause while those present waited for the appearance of Paul Craig. After his arrival business was resumed with Mr. Craig's petition for a "45" turntable. The problem discussed was whether to buy a new one for $55.00, or to have one converted for $20.00. Since Peter Hankamer wants to buy an old turntable from the station it was decided to buy a new three-speed turntable. The cost will be $5.00 ($25.00 from Hankamer, and $25.00 allowed in the budget).

Hardy said, "Build some transmitters" and "Handle Bryn Mawr with kid gloves." With these gems the meeting cameto a close.

Respectfully submitted
Joseph E. Helweg
Secretary WHRC

Minutes of the joint meeting of the old and new Boards

May 11, 1952 at 7:00 P. M.

Present: Morrison, Hummel, Hollmann.

1. Going off the air: It was decided that WHRC will stay on the air with the regular scheduled programs ~~until~~ through May 20. After that date, WHRC will broadcast WFLN programs ~~until~~ through May 31.

2. It was decided that any member of the Board that does his job inadequately for three weeks will be ~~dismissed~~ asked to resign from the Board.

3. Allotments of orchids and onions (~~Bill Morrison's idea~~):

Orchids to:

George Gifford for a good soundproofing job.

Alex Goldfinger for good publicity.

~~Reg~~ Ridge Bolgiano for refurbishing the technical equipment.

- The 11 P. M. to 7 A. M. shift last Friday and Saturday.

Onions to:

Mike Hummel for breaking "Blue Tango."

The meeting was adjourned at 7:40.

Next Board meeting: Sunday, May 18 at ~~7:00~~ 10:00 P. M.

Respectfully submitted,

Bruce J. Hollmann.

Secretary.

Approved for purposes of quorum:

MINUTES OF BOARD MEETING, Oct. 12, 1952 at 2:30 P. M.

Those present were: Morrison, Rentschler, Carpenter, Singh, Bolgiano, Goldfinger, Hollmann, and Hummel (arrived later).

Amar Singh said that he has the programming well set up and under control. It was decided to plug later programs during the early evening 20-minute station breaks.

It was moved, seconded and carried to send John Flint a get-well card, if it is true that he has appendicitis.

The control room apparatus for studio B should be in operation by Monday, except the patch panel. The patch panel should be fixed by Oct. 18. Studio A will engineer its own shows. It was moved, seconded, and carried to put a meter on the B dolly. It was also moved, seconded, and carried to put a separate switch in A to put B on the air. This will make the set-up more complicated for engineers, but more versatile.

At this point, the Board of Directors of WBMC, Bryn Mawr, arrived. The following was decided by the two Boards: WBMC will broadcast WHRC programs on Fridays and Saturdays. WHRC will broadcast WBMC programs on Sundays from 8 P. M. to 12 midnight, to be started as soon as WBMC gets its schedule lined up. The Battle of the Sexes must be more moral because of the increased broadcast range. Plans for dramas were discussed. Plays will be taped Sunday afternoons. Rehearsals will be Thursday nights from 8 to 10, tentatively. The first play will be Oct. 23. At this point, the formal meeting was adjourned, as those present indulged in refreshments.

Respectfully submitted,

Bruce J. Hollmann.

Secretary.

MINUTES OF THE BOARD OF DIRECTORS MEETING OF WHRC, OCT 30, 1952.

The meeting came to order at 7 P. M. Those present were: Morrison, Singh, Flint, Hardy, Wilson, Bolgiano, Rentschler, Carpenter, and Hollmann.

Treasury: Bill Morrison stated that Wis Comfort is writing checks for us. WHRC no longer has a checking account. All bills will be paid by check. There will be no petty cash.

Programming: WHRC broadcasts WFLN programs from 2 to 7 P. M. WHRC broadcasts WPEN programs the rest of the time it does not broadcast its own shows. It was voted and carried to broadcast WFLN programs all the time WHRC is not broadcasting its own shows, because the Board feels that WFLN music is better and more in demand by the student body.

Not all Freshmen have been auditioned. There are only two Freshman disc jockey shows. Dick Hardy said that he will endeavor to have the rest of the Freshmen auditioned on Friday.

Amar Singh stated that WHRC will have a new afternoon program of classical music and operas, Mon. and Wed. afternoons from 2 to 3. It will be run by Freshmen.

It was decided that no one should expound political views in favor of either Ike or Stevenson on the air, unless the program is a political forum or something of that character.

Dinner music was next discussed. Amar Singh moved to pipe WPEN music to the dining room, and to cut out commercials when they are given. It was voted and carried unanimously to broadcast said dinner music, starting Sunday night.

Techical Dept: Ridge Bolgiano said that studio R will be in operation Election Night.

A filter will be put in to suppress the 1380 frequency and to add more power to 690.

Ridge will endeavor to get the Merion Line working by Tuesday night. Ridge also complimented Frank Evans on his work on the football line.

Production: It was pointed out that there is no format for the New York Times announcers. One should be drawn up.

Station breaks in which later programs are advertised are in the process of being set up.

The preparations for the broadcast of the soccer game this Saturday are all taken tare of.

It was stated that the Battle of the Sexes show sounds terrible on the air. Everyone on that show should be quiet except the one that is talking. Laughter should be refined and not boisterous.

If someone on the air makes a mistake, a person that he knows should call him up and let him know in a nice way, and give him some constructive criticisms.

WHRC needs a filing system for tapes. Amar moved that tapes be put in charge of the Production Dept. It was voted and carried to do this.

Engineering Dept.: It was stated that the engineering is weak and should be improved as best as possible. The Board realizes that Mike Hummel has a very hard job in getting good engineers in the right spots. Therefore, it was decided that the members of the Board will help Mike by giving constructive criticisms to engineers that make mistakes.

From now on, all engineers will see that any disc jockeys they engineer put away the station records after using them. If the records are not put away, the engineer on duty shall mention it under "remarks" on the program log.

Special Events: It was pointed out that WHRC still has a loop to Ardmore, assuming that we will broadcast the Susquehana game.

With regard to the Union game, two long-distance phone calls will be made, or two telegrams sent, to give the highlights. Kearny Carpenter will find out which is better.

The Susquehana game will cost about $50 to broadcast. It was moved, voted and carried not to broadcast the game but to send spot phone calls instead, and save the money to use on an improvement of the station, such as new carpets.

Election Night: Bill Morrison stated that for this night we need: An announcer, producer, engineer, and coordinator at the station; one person on each remote line to keep contact with each party headquaters; two tabulators to tabulate results; one person to carry in reports from the teletype machine to the tabulators; one man on the phone to receive returns from Parkjurst, an owner of a short wave radio; two men at Parkhurst's house; one man at each party headquaters.

Bob Wilson will be at Republican Headquaters, and Bill Morrison will be at Democratic Headquaters. There will be two fifteen-minute features from the New York Times. WHRC itself will determine which data from these sources goes on the air. Election returns will go on from 11 P. M. until the outcome is determined.

The advertising that will go on during the returns will be spot advertisements. There will be six minutes of advertising an hour if all the advertising time is sold. Tom Rentschler, Amar Singh, and Kearny Carpenter will take care of the advertising part. Any advertisement to be given should be listed on the log sheet.

It was decided to have a staff meeting on Thursday in two or three weeks. The next Board meeting will be on Thurs, Nov. 6, at 7 P. M. The meeting was adjourned at 9:40 P. M.

Respectfully submitted,

Bruce J. Hollmann.

Secretary.

MINUTES OF WHRC BOARD OF DIRECTORS' MEETING, NOV. 6, 1952, 7 P. M.

Those present were: Morrison, Garver, Singh, Rentschler, Carpenter, Bolgiano, Hummel, Hardy, and Hollmann.

Record Library: The record library is in better shape than it ever was. Garver complained that records were being left out of their cases after use. He also asked whether to give transcriptions away or not. The Board decided to keep them, put them in envelopes, and mark what songs they include.

Technical Dept: Studio R is not ready yet. Bolgiano said that he is endeavoring his utmost to get it ready as soon as possible.

Special Events: Carpenter and Singh are to be commended for good production of Election Night. John Korper is also to be commended for the technical end of it.

Carpenter asked that special events activities be left to the Special Events Dept. only, and to no one else.

Engineering: Hummel announced that he has obtained engineers for early afternoon engineering shifts.

Production: Hardy announced that he can buy a record cutter from a friend of Peter Parkhurst for $130. This idea was left to be thought over.

Hardy also announced that the tapes are marked plainly on the back of each box. We have about six small reels. As soon as recordings are finished, we'll have two large reels.

Treasury: The Board feels that all bills should be paid and collected immediately, and that books should be straight by Thanksgiving.

Advertising: McCaffrey's Jewelers was mis-advertised Nov. 5, during a disc jockey show from 11 P. M. to 12 Midnight. It was also mentioned that a woman called up and complained about this show. Also, complaints have come in about it for three weeks in a row, that the humor on it was becoming too lewd and lascivious. The person in charge of this show id Dick Hardy. John Korper, who engineered the show Nov. 5, was called in to give an eyewitness account of what occurred that time during the show. Hardy was admonished strongly to be more sober while on the air, especially since he is the Production Manager, and therefore must set an example for everyone else. It was decided to put Hardy on probation for the rest of the semester, and if he carries on like that once more, he is to be taken off the air.

It was brought out that the Battle of the Sexes show sounded terrible on Nov. 5, and that it became a bit lewd. Hollmann suggested that if this show cannot be improved, it should be taken off the air and replaced by some more serious discussion panel between Haverford and Bryn Mawr. Singh suggested putting in more time on the production of theshow. Hardy suggested that the Board Members make an effort to listen to the show for three weeks and then decide what to do about it. It was decided to follow Hardy's suggestion. Singh suggested putting Bill Packard in charge of the Battle of the Sexes. It was moved and carried to do this. At this point, the meeting was adjourned.

Respectfully submitted,

Bruce J. Hollmann.

Secretary.

MINUTES OF WHRC BOARD OF DIRECTORS' MEETING, NOV. 6, 1952, 7 P. M.

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Respectfully submitted,

David J. Hollmann

Secretary.

Retail Concerns Which Have Advertised in
THE CHRISTIAN SCIENCE MONITOR
Since January, 19___.

NAME OF ADVERTISER	CLASSIFICATION OF BUSINESS	LAST INSERTION	DIS.	C.H.	PRESENT SCHEDULE

Form 703. (3-17-48-1M)

MINUTES OF WHRC BOARD OF DIRECTORS' MEETING, NOV. 13 1952, 7 P. M.

Those present were: Morrison, Singh, Bolgiano, Hardy, Hummel, Rentschler, Carpenter, and Hollmann.

The Swarthmore football game is to be televised over WPTZ. On account of this, the pressbox will be crowded, and it was therefore voted by the Board against broadcasting the game.

Eastern States Radio sent WHRC a letter, offering the station package shows of the following types: Classical music, semi-classical music, and play-by-play basketball games. WHRC would be paid for broadcasting these shows, plus expenses for doing same. Morrison will send Eastern States Radio a letter, accepting the offer.

Advertising: Rentschler announced that WHRC has lost the patronage of J. J. McCaffrey, about $75 worth of advertising. Rentschler said that he was extremely hard to get along with. Morrison admonished Rentschler to try to get him back, and above all, to give him a fair deal. Rentschler promised that he would endeavor his utmost. If J. J. McCaffrey is won back, he will be advertised on drama shows.

Special Events: Archibald MacLeish is to come to Haverford to read his poems on Nov. 30. It was planned to record his readings on tape.

It was decided that WHRC will take charge of setting up the amplifier for the Varsity Club Dance on Sat., Nov. 22.

It was decided to broadcast the first away basketball game, Dec. 3.

WFLN has a tape library of all of Shakespeare's plays, which are very well done. They each run for two hours. Carpenter will write to WFLN to inquire if WHRC can borrow the tapes to be played here.

Technical: The line to the football field is down. Frank Evans is working on it. Joe Horner and Pete Rosenberger are working on the Merion Line. Studio R is not ready yet. A microphone has been put in, but the turntables are not set up.

Engineering: The following incident has occurred: Dr. Reese asked Hardy to play the tape recorder for the orchestra. Hardy took the tape recorder over to Bryn Mawr and plugged it into d. c., and this put it out of order, since it runs only on a. c. Morrison said that Hummel should have complete charge of the tape recorder, and no one should use it without Hummel's or Morrison's permission. The recorder will be examined and repaired at Hardy's expense.

Craig is to be put off the engineering schedule for cutting his shift.

Programming: Bolgiano said that he did not like certain remarks that Hardy made on his show. He told Hardy of the weak points and gave suggestions for improvement. The Board feels that the quality of Hardy's show is improving.

Production: The Battle of the Sexes Show sounded good on Nov. 12. Packard, who is in charge, had the script written out beforehand in a more serious vein.

Treasury: Morrison asserted that the treasurer of WHRC has been doing Nothing. Mr. Caselli sent the station a bill for doing various odd jobs. Morrison will see him about it.

Record Library: The Board feels that the record library is improving. At this point, the meeting was adjourned.

Respectfully submitted,

Bruce Z. Hollmann

Secretary.

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Respectfully submitted,

Secretary.

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THE CHRISTIAN SCIENCE MONITOR
Since January, 19......

NAME OF ADVERTISER	CLASSIFICATION OF BUSINESS	LAST INSERTION	DIS.	C.H.	PRESENT SCHEDULE

Form 703. (3-17-48-1M)

MINUTES OF BOARD OF DIRECTORS OF WHRC NOV. 23, 1952 AT 7:00 P. M.

Those present were: Morrison, Bolgiano, Garver, and Hollmann.

Technical: It was brought out that the Merion Line is complete. Horner, Rosenberger, and Evans are to be highly commended for working on it and finishing it during the Swarthmore football game, during the downpour last Saturday.

It was reported that the line to the football field is half down. This ought to be looked into soon.

Studio R is not ready for broadcasting yet. It should be looked into and fixed soon. ~~The other~~ As of now, one turntable and one microphone are in operation. The other turntable will be fixed when logistics difficulties are overcome. It was decided that STUDIO R WILL BE READY FOR PROGRAMS, DEC. 2, 1952, AT 6 P. M.

It was brought out that the amplifier for the dining hall dinner music doesn't work. It should be fixed as soon as possible.

Physical plant: Dan Hardy, an ex-manager of WHRC, visited the station recently and said in effect that the state of general mess in the studios is a detrimental factor to personnel accumulation. The point was well received by the Board.

The interior decoration of the studios was discussed. It was suggested that the tabletops should be stained. No action was taken on this controversial issue, and such action will be postponed until there is a quorum. However, it was brought out that just before the end of the term, the Board will try to figure out a plan for interior decoration. Sound-proof boards are still needed for finishing the soundproofing. Garver will look into the expenses for putting in flourescent lighting.

It was suggested that each Board member be responsible for a week for keeping the studios in order. The following schedule was drawn up: Bolgiano -- week ending Dec. 1; Hummel -- Dec. 1-8; Hardy -- Dec. 8-15; Hollmann -- Dec. 15-Jan. 5; Flint -- Jan. 5-12; Carpenter -- Jan. 12-19; Rentschler -- Jan. 19-26; Garver -- Jan. 26-end of semester.

Keys: It was mentioned that someone has keys to the station, and it is not known exactly ~~known~~ who. A list will be posted for those with keys to sign. Craig will be asked to give his key to Singh, who has no key and needs one.

Special Events: Attention, public relations, production, (transportation), et al: The Rutgers basketball game will be Dec. 3. Jake Johnson is inquiring at Rutgers about using a phone booth. The game will be broadcast and announced by Johnson and others.

Carpenter will record all of Archibald MacLeish's addresses, Nov. 30, Dec. 2, and 12.

Broduction: ~~Attention~~, Brooks Cooper, an ex-manager of WHRC, wanted to borrow the tape recorder, and was refused. The Board feels strongly that the tape recorder should not be used except by authorized station personnel. If the recorder is used at Bryn Mawr, it is Hummel's responsibility to warn the user of the D. C. at Bryn Mawr.

Going on the air 24 hours a day was discussed, and it was decided that it is not feasible.

Programming: Plans for a poll will be drawn up before exams. The poll will attempt to determine what type of programs is in demand. WHRC will broadcast F. M. stations during Thanksgiving Vacation. During Christmas Vacation, WHRC will go off the air.

Record Library: Package deals have been arranged with Columbia and Capital for new releases. Transcriptions will be stored, filed, and catalogued, also scheduled by the record librarian, to facilitate programming and production.

A letter has been received from Standard Radio, offering to sell WHRC transcriptions on special terms. It is doubtful if the money for this can be obtained from the Students' Council.

Expenditures for sound effects, transcriptions, and other music will be discussed when there is a quorum.

Dick Hardy will be asked to find out from his brother, Dan, the address of a place where WHRC can have transcriptions cut.

Administration: All incoming mail is to pass through Morrison, who will distribute it to the various departments.

Each Board member will go over lists of WHRC personnel of [illegible] different departments to see how many men he needs for his department. Board members should contact people on various departments to see who will be willing to do work.

A date for a staff meeting was set for Dec. 11.

Treasury: Flint promised to clear up the books by Thanksgiving. All bills should be presented to him by Nov. 25. A treasurer's report is requested for the next Board meeting.

At this point, the meeting was adjourned.

Respectfully submitted,

Bruce J. Hollman

Secretary.

MINUTES OF MEETING OF BOARD OF DIRECTORS OF WHRC, DEC. 4, 1952.

Those present were: Singh, Hardy, Garver, Bolgiano, Hummel, and Hollmann. Since Morrison is away, Singh presided at the weekly meeting.

Hardy said that he was at a recent WBMC staff meeting. He said that he was very much impressed with the orderliness of the meeting and the large attendance, relative to the number of members of WBMC.

Programming: Afternoon broadcasting is being expanded. Some very good disc jockeys are being developed.

It is quite difficult to obtain engineers for afternoon classical programs, but Korper is a very good engineer and likes to engineer these programs. If no one can be obtained to engineer some of them, Korper would do them all.

Technical: STUDIO R IS NOW OPERATING! Compliments go to Bryan Williams for helping to fix studio R.

Engineering: Hummel stated that the remarks column in the engineers' log is such that remarks must be terse and to the point. He will look into the problem of delinquent engineers.

Production: Hardy and Bolgiano discussed a Battle of the Sexes type show with audience participation, to take place in the Union Lounge or some similar place. Members of the audience would ask questions. Hardy moved, Bolgiano seconded, and it was carried to try this type of show out once. The exact time will be set when Morrison returns.

It was pointed out that the Battle of the Sexes show sounded terrible again. From now on, no visitors will be permitted in the station while that show is on the air.

Compliments go from the Production Dept. to the Technical Dept. for new apparatus.

Physical Plant: Garver found out that flourescent lighting for the station would cost $50 to $80 to install it right. Garver proposed the following: Two fixtures in studio H; indirect lighting for the control room with three strips; one fixture for studio R. This proposition was discussed. It was believed that possibly one fixture for studio H would be sufficient.

It was mentioned that all mail must go through Morrison, who will distribute it to the various departments.

Advertising: There was a mix-up on whether Hardy's program was sponsored or not. This was due to an oversight by Rentschler in failing to let Hardy know.

Special Events:: Jake Johnson did a fine job in announcing the Rutgers basketball game. Two other stations broadcast the Rutgers game and they both had large banners. Amar will look into getting one for WHRC. At this point, the meeting was adjourned.

Respectfully submitted,

Bruce J. Hollmann.

Secretary.

MINUTES OF MEETING OF BOARD OF DIRECTORS OF WHRC, DEC. 4, 1952.

Those present were: Singh, Hardy, Garver, Bolgiano, Hummel, and Hollmann. Since Morrison is away, Singh presided at the weekly meeting.

Hardy said that he was at a recent WBMC staff meeting. He said that he was very much impressed with the orderliness of the meeting and the large attendance, relative to the number of members of WBMC.

Programming: Afternoon broadcasting is being expanded. Some very good disc jockeys are being developed.

It is quite difficult to obtain engineers for afternoon classical programs, but Korper is a very good engineer and likes to engineer these programs. If no one can be obtained to engineer some of them, Korper would do them all.

Technical: STUDIO R IS NOW OPERATING! Compliments go to Bryan Williams for helping to fix studio R.

Engineering: Hummel stated that the remarks column in the engineers' log is such that remarks must be terse and to the point. He will look into the problem of delinquent engineers.

Production: Hardy and Bolgiano discussed a Battle of the Sexes type show with audience participation, to take place in the Union Lounge or some similar place. Members of the audience would ask questions. Hardy moved, Bolgiano seconded, and it was carried to try this type of show out once. The exact time will be set when Morrison returns.

It was pointed out that the Battle of the Sexes show sounded terrible again. From now on, no visitors will be permitted in the station while that show is on the air.

Compliments go from the Production Dept. to the Technical Dept. for new apparatus.

Physical Plant: Garver found out that flourescent lighting for the station would cost $50 to $80 to install it right. Garver proposed the following: Two fixtures in studio H; indirect lighting for the control room with three strips; one fixture for studio R. This proposition was discussed. It was believed that possibly one fixture for studio H would be sufficient.

It was mentioned that all mail must go through Morrison, who will distribute it to the various departments.

Advertising: There was a mix-up on whether Hardy's program was sponsored or not. This was due to an oversight by Rentschler in failing to let Hardy know.

Special Events: Jake Johnson did a fine job in announcing the Rutgers basketball game. Two other stations broadcast the Rutgers game and they both had large benners. Amar will look into getting one for WHRC. At this point, the meeting was adjourned.

Respectfully submitted,

Secretary.

Retail Concerns Which Have Advertised in
THE CHRISTIAN SCIENCE MONITOR
Since January, 19........

NAME OF ADVERTISER	CLASSIFICATION OF BUSINESS	LAST INSERTION	DIS.	C.H.	PRESENT SCHEDULE

Form 703. (3-17-48-1M)

MINUTES OF MEETING OF BOARD OF DIRECTORS, JAN. 8, 1953.

Those present were: Morrison, Hummel, Garver, Singh, Wilson, Rentschler, Carpenter, Hardy, Bolgiano, and Hollmann.

Treasury: Bills from WBMC and other sources that are due for WHRC amount to $30 (except advertising). WHRC owes Hardy $50 and Mr. Caselli $15. The station also owes money to the Bell Telephone Co. The total the station owes amounts to about $73. About $80 to $95 will be left over in the treasury at the end of the term, if all the money due the station for advertising (about $212) can be collected by then. It was suggested that all advertising bills be collected on an installment plan next term. Each department will summarize its expenses at the meeting of the old and new Boards.

Going off the air: The station will go off the air for exams at 12 midnight Wed., Jan. 14. However, anyone who wants to do a (good) show can, if he arranges it with Singh.

Programming: More afternoon shows are being formed. At the beginning of next term, more auditions should be held.

WHRC will broadcast the Ursinus basketball game Saturday night.

Technical: Someone in Barclay complained that the beeper was beeping too loud. Steps will be taken to tone it down.

Mr. Caselli stated that the lines to Lloyd and Merion are unsightly, and asked if something could be done about it. He suggested running the line to Lloyd through the tunnel to the powerhouse and then through a tunnel to Lloyd. Morrison will talk to him about this. It was estimated that underground lines would cost $150, exclusive of labor.

Engineering: Hummel stated that Korper and some other engineers have not yet gotten their licenses from the F. C. C., but that they will get them soon.

Production: The Battle of the Sexes show has improved over the last 3 or 4 weeks. During the last 4 weeks, different people have moderated. Hardy suggested, therefore, that four moderators be rotated in turn each month.

The station may get a U. P. ticker next term.

Advertising: Rentschler will see if he can obtain sponsors for basketball game broadcasts.

Staff Meeting: A staff meeting has been scheduled Sunday night, Jan. 11 at 7 P. M., in the Union Lounge for the election of officers; If a quorum does not appear, a meeting will be held Thurs., Jan. 15 at 7. Morrison suggested that the Board members think over carefully about who should be officers next term, so that any nominations that they make can be done intelligently.

Keys: Everyone who has a key to the station should report it at the staff meeting Sunday night.

Morrison stated that the Board has done a good job this term, and that the station is being run more as a system instead of haphazardly. However, the station hasn't branched out on variety shows as it could have. Also, the engineering dept. still has a few weak spots to be straightened out.

At this point, the meeting was adjourned.

Respectfully submitted,

Bruce Z. Hollmann

Secretary.

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At this point, the meeting was adjourned.

Respectfully submitted,

Secretary.

Retail Concerns Which Have Advertised in
THE CHRISTIAN SCIENCE MONITOR
Since January, 19.......

NAME OF ADVERTISER	CLASSIFICATION OF BUSINESS	LAST INSERTION	DIS.	C.H.	PRESENT SCHEDULE

Form 703. (3-17-48-1M)

March 1, 1955

Station W H R C

Minutes of Board Meeting, Marchaly 1955

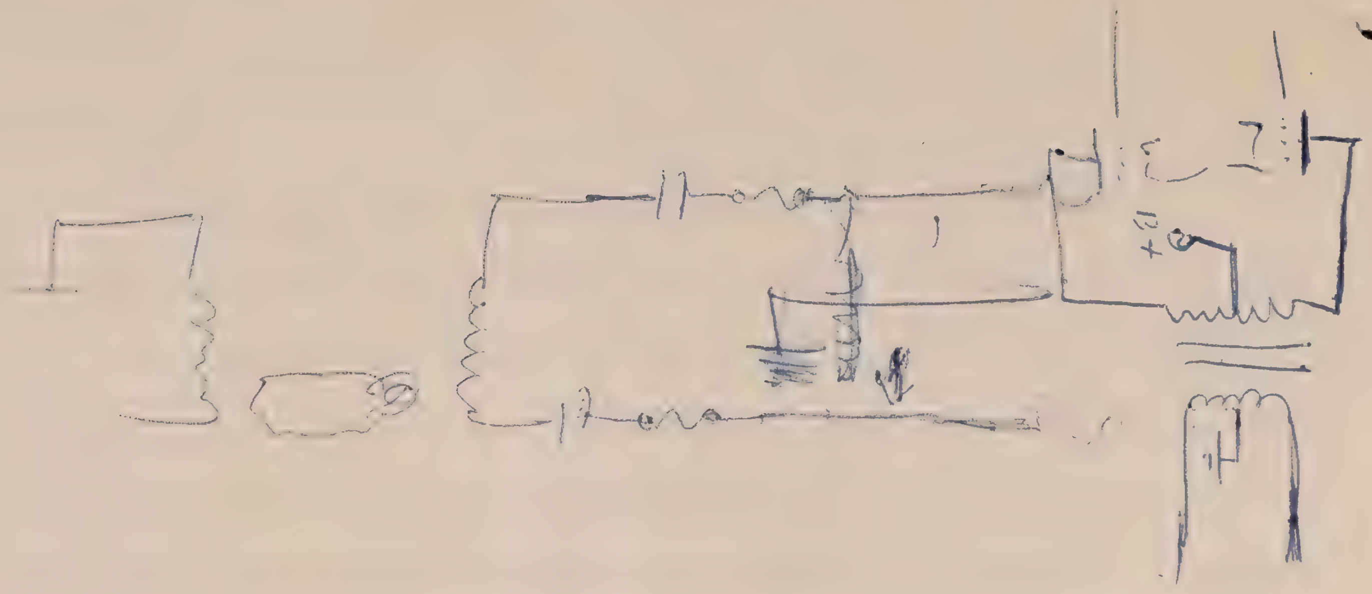
In opening the meeting ~~on a rather sour note~~, Manager Potter complained of the frequent absence of Board members who in no way try to excusethemselves. He requested that in the future those unable to be predent at the sessions see him personally as soon as they can. The minutes of the preceding meeting were not read at this time.

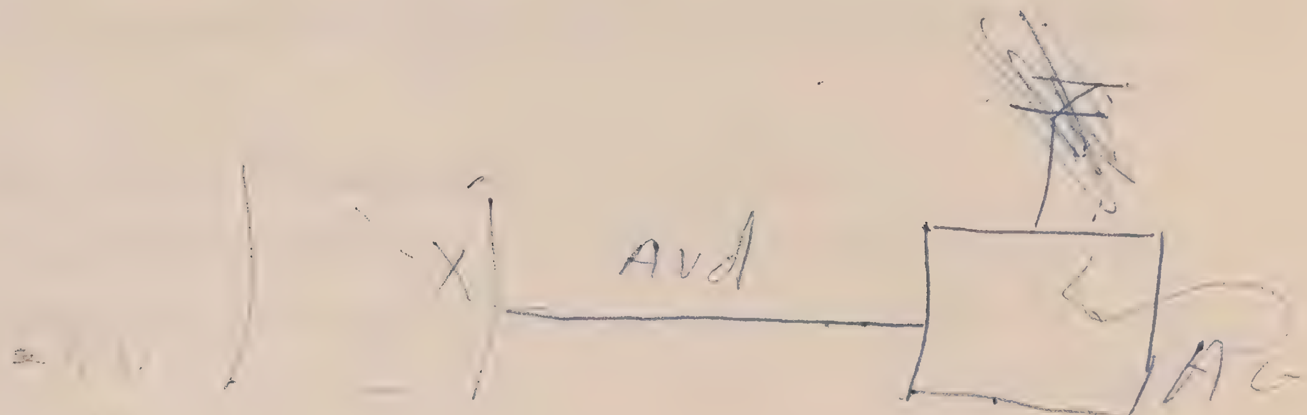
The larger share of the evening consisted again of progress reports by the various officers. The technical department expressed concern over undue radiation from the station's lines in violation of the F.C.C. regulations, leakage in studio H, faulty earphones, and unsatisfactory turntable operation. In replying to the complaints, Potter dismissed the importance of the radiation, and voiced his hope that the antagonism now existing between the station and the Student Council will shortly disappear to enable WHRC to obtain additional funds. for repairs and new purchases.

Other significant reports included that of Lorenzo Milam who announced the completion of a record contract with Columbia, and that of Bill Tyson, who had finished editing the tapes of Nigel Nichelson's speeches.

The last part of the meeting was taken up by several special items. First, acting on the advice of the Sports Director, the Board decided to broadcast weekday baseball games during the spring. Secondly, on Potter's suggestion, the Misery Loves Company morning program was to be reorganized and placed on a more rigid schedule. Substitute announcers were also to be obtained for emergencies. Thirdly, a standard station break should be set up for use by all announcers.

In adjourning the meeting, Potter reminded the Board that one of the first items on the agenda of the next session, on March 9 at 9:30 p.m., should be the appointment of a new Special Events Director.

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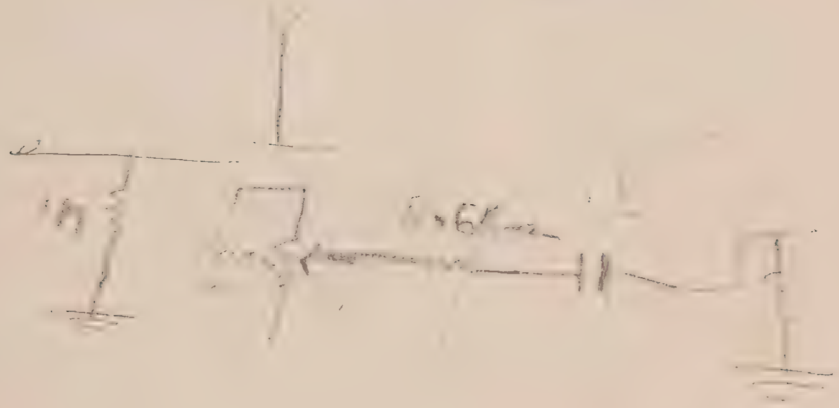
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W H R C
HAVERFORD COLLEGE
HAVERFORD, PENNSYLVANIA

Minutes of the Board Meeting of May 21, 1958.

The Board Meeting was called to order at 6:52 PM. Board members present were Iserman, Lehfeldt, Davis, Gerdine, Arnow, Young, Read, and Bolgiano.

Bob Iserman announced that the Council had approved the purchase of a tape recorder; the funds for same must be obtained from the Student Affairs Committee.

Bob Iserman suggested to the Council that all advertising income of WHRC revert to the Council until its grant to the station has been repaid and that all additional income should not revert to the Council, but remain under the control of WHRC.

With reference to the tape recorder above, Frank Young suggested that capital funds might be obtained from alumni.

The following ideas for the coming fall term were presented:

1. Membership cards for all staff members; the prospective cost for these cards would be about $10; the matter was deferred for consideration in the fall.
2. It was decided to write letters to the freshmen during the summer. Bob Iserman would obtain the list of the members of the freshmen class and would distribute assignments for writing said letters to the board members.

The Board approved the expenditure of $20 for stationery, and mimeographed letters to freshmen.

The following positions were filled:

Sales Manager: Mike Harvey
Publicity: Joeff Raymond
Record Librarian: Marsh Myers
Special Events: Dick Stowe
Production & Program Advisor: Bill Taylor
Great Music: to be appointed in the fall

Frank Young announced that he would have a tentative program schedule ready in the fall.

The Board approved the sale of the new turntables for $70 each.

Bob Iserman stated he would obtain a bootleg station key from Dave Ellis.

Chuck Read suggested that we try to obtain a better phone number next year; i.e. one more easily remembered. Bob Iserman stated he would see the phone company. Phil Gerdine was given power to determine the best type of phone service for the station for next year upon examination of this year's phone bills.

Pete Davis suggested that the Board put on a hack show for the freshman during orientation week next fall. Area Board members agreed to put on such a show.

Frank Young asked what was the Board's attitude toward placing a 1½ hour hack show similar to that of May 15th on next year's schedule. The Board felt it was worthy of experimentation. Bob Iserman reminded the Board that programming must be suitable for a possible CRC contract.

The Board empowered Lehfeldt to set a date for the Freshmen show and to plan it.

First class mail will be forwarded to Phil Gerdine.

Programs will start on September 29, 1956, and FM on September 15.

The meeting was adjourned at 8:09 pm.

Respectfully submitted,

Peter N Davis

Peter N. Davis, Secretary

W H R C
Haverford College
Haverford, Pennsylvania

Minutes of the Board Meeting of September 24, 1958.

The Board meeting was called to order by Frank Young, Acting Co-Station Manager, at 7:06 PM. Board members present were Young, Read, Gerdine, Davis, Lehfeldt, Arnow, Bolgiano, Taylor, Harvey, Raymond and Stowe.

Frank Young announced that Bob Iserman, Station Manager, had flunked out of school at the end of last semester and that according to the Constitution he had assumed control.

He then mentioned that we had received two new turntables from Rek-o-kut for the price of repairs on the old ones plus freight charges (Total $19.54.).

Frank Young pointed out that a staff meeting would have to be called within two weeks to elect a new station manager. Following this election another board meeting would be needed to decide station policy for the year. He believed it unwise to settle policy before a mangger were elected. The Board called a staff meeting at 8:00 PM, Thursday, September 25 for the purpose of a speciallelection for station manager.

Chuck Read reported the following information relayed from Bob Iserman regarding his summer station transactions:

1. He had contacted CMC about a teletype contract. According to the letter received from them by the station on September 24 no contract would be forthcoming.
2. He had arranged with Rek-o-kut the replacement of our defective turntables as reported above.
3. He had talked with Mr. Caselli about the trust fund which existence was unknown to station managers of recent years. Mr. Caselli promised to look into it.

Chuck Read also reported that Mr. Caselli has taken over the Student Council funds. Don McKelvey reports that the Capital Expenditure Fund of the Council has a balance of well over $1000 and that funds for the tape recorder which has been approved by the Council and the Student Affairs Committee should be available.

Bidge Bolgiano stated that $50 a semester had been received from the trust fund when he was here around 1953. The trust fund supposedly is being held until the station goes commercial.

Frank Young announced that the new station phone number is Midway 2-5895 and that the phone is in. Also, the Bryn Mawr line has been put in.

Pete Arnow will inquire about the composition of the Board of WBMC.

The budget to be presented to the council was discussed. Frank Young pointed out that an advertising income estimate must

be submitted with the budget.

Pursuant with the budget the football broadcasting schedule was arranged. The following estimates for the cost of broadcasting the games were made:

1. For 3 away games, approximately $135 plus $50 transportation
2. For home games, approx. $15
3. For installation of Bell Telephone line to the soccer field, $5
4. For phoning in scores of away soccer games, approx. $45
   TOTAL: $250

It was decided to sell the following advertising packages:

1. @ $25 per half game, package $250; revenue $500
2. @ $5 for each pre or post game show, package $50; revenue $100.

For the 9 or 10 games which will be covered, 8 or 9 football games and the Hood Trophy soccer game, 2 half sponsorship game package and 1 each pre and post game show packages will be sold.

It was decided to declare an advertising revenue of $100 on our budget.

Peter Davis suggested that the advertising revenue agreement made with the Council last May be gotten in writing from the Council before our budget is submitted.

FM and AM commercial broadcasting possibilities were discussed as a long range goal.

Trial membership for Freshmen was discussed. Bill Taylor presented the problem of sustaining interest in the station. A more vigorous training and trial period was agreed upon within the constitutional limitation of two months as a beginning, at least, in this direction.

Pursuant to Article 3, Section 2 of the Constitution, all of last year's staff members who do not appear at the staff meeting of September 25, 1958, will be dropped from the staff, it was decreed by the Board.

The Technical budget was raised to $100 and the DMC lines' construction costs of $50 was added.

The next Board meeting will at 8:00 PM, Sunday, September 28, 1958.

The meeting was adjourned at 8:34 PM.

Respectfully submitted,

Peter N. Davis, Secretary

W H R C

Haverford College

Haverford, Pennsylvania

Minutes of the Staff Meeting of September 25, 1958.

The Staff Meeting was called to order by Frank Young, Acting Station Manager, at 8:03 PM. This meeting was called for the purpose of electing a station manager to fill the vacancy caused by Bob Iserman's flunking from school at the end of last semester.

The following nominations were made:

Frank Young nominated Chuck Read

John Mandell nominated Mike Harvey, declined

Marty Lehfeldt nominated Pete Arnow

Pete Davis nominated Frank Young, declined

Ridge Bolgiano moved the nominations be closed.

Pete Amnow was elected by a clear majority. His election caused the position of Technical Director to be vacated. The election for Technical Director will be held within the next two weeks at a time to be announced.

The meeting was adjourned at 8:28 PM.

Staff members present:

Peter Davis*
Mike Harvey*
Peter Brown
David Kain
Geoff Raymond*
Frank Young*
Dick Stowe*
Martin Lehfeldt*
Ian Davidson
Bill Taylor*
Peter Arnow*

Jon Mandell
Peter Jernquist
Philip Gerdine*
Marshall Meyers*
D. Ridgely Bolgiano*
Chris Kimmich
Dick Wenzel
Chuck Read*
Stark G. Jones
Bill Dorsey

Note *: Board members.

Respectfully submitted,

Peter N. Davis, Secretary

WHRC
Haverford College
Haverford, Pennsylvania

Minutes of the Board Meeting of September 28, 1958.

The meeting was called to order at 8:00 PM by Pete Arnow, station manager.

First he read his letter from Bob Iserman explaining in detail his station contacts over the summer and his explanation for his leave of absense from school this year.

He then described the pitiful state of the WBMC Board this year. The Station and Production Managers have resigned and the Program Manager was not interested in assuming control. Pete Arnow said that WHRC should be prepared to take over operation of WBMC should it prove necessary.

The advertising campaign and its progress was described by Mike Harvey. He predicted that Bryn Mawr Trust would buy part or whole of our football package. He said we would cover expenses if we sold $250 of the package.

The Board decided that we would not sell advertising over and above expenses of special events if we could not obtain fiscal independence on all revenue which weald not be used to repay the Council its budget for WHRC.

Frank Young described the program schedule for this semester. At the present time the schedule is filled with one or two minor exceptions. In addition, he hoped to expand the schedule to 1 AM, and, the Board concurring, to 6:30 PM. The Board approved the expansion of the schedule to 6:30. (No approval was necessary for the 1 AM expansion.) The possibility of recording singing station breaks with the Octet was discussed. It would be looked into.

Chuck Read announced that the engineering schedule was "all right." Bill Taylor said he and his wife would be willing to do 5 Misery shows from his home in Bryn Mawr if the station would pay for the lines. Various schemes for lines were discussed but nothing was decided. (There were no Misery shows scheduled this year.)

Station breaks and the need for new ones was discussed.

Geoff Raymond presented the format for weekly program guides to be put in each P.O. box. They are mimeographed.

The possibility of giving away prizes over the air was discussed. One Al Petker of Beverly Hills, California, has written WHRC offering to supply us with prizes if we give one advertisement for his clients for each prizes. The Secretary was instructed to investigate.

The proposed first semester budget was discussed.

The Secretary was instructed to obtain a WJBR program guide subscription which it had offerred us.

Chuck Read announced he has devised a foolproof procedure for operating the tape recorder. This is designed to eliminate goofs on the part of inexperienced engineers.

Chuck Read was appointed Tape Librarian.

Marsh Meyers suggested getting a BMC weather girl.

It was announced that we will receive all new releases of ABC-Paramount records through the efforts of Jon Mandell.

Marsh Meyers, Record Librárian, was enpowered to make all record purchases. He will accept requests from DJ's.

The Board decreed that all those staff members of last year who were dropped from the staff on September 24, 1958, for failure to attend the staff meeting of that date, and who are now working for the station (i.e. have been scheduled either as announcers or engineers) are retroactively not dropped from the staff as of September 24, 1958. They are:

Bill Craig
Jim Pendleton
Glenn McCurdy
Werner Muller
Jim Moyes
Charley Lipton
Jon Smith
Greg Russel

The next Board meeting will be Wednesday, October 8, 1958, at 6:30 PM.

The meeting was adjourned at 9:29 PM.

Respectfully submitted,

Peter N. Davis

Peter N. Davis, Secretary

Note: Present at the Board meeting were Arnow, Young, Read, Gerdine, Davis, Lehfeldt, Taylor, Harvey, Stowe, Meyers and Raymond.

WHRC HAVERFORD COLLEGE • HAVERFORD, PA.

Minutes of the Board Meeting of October 8, 1958.

The meeting was called to order at 8:48 PM by Pete Arnow, Station Manager.

Present at the meeting were: Arnow, Taylor, Harvey, Davis, Stowe, Read, Raymond, Young, Gerdine, Lehfeldt, (Dorsey).

The question was raised whether we should loan our Revere tape recorder to WBMC when we get our professional recorder. The Board agreed we should. Pete Arnow will speak to Jim Katowitz, Student Council President, about it and will get a statement from the WBMC Manager accepting the loan.

Frank Young asked who was responsible for the schedule of commercials. He was informed that it was his job. He hoped that ads will be sold for specific times. Pete Arnow pointed out that the logs should be filled out including all commercials. Pete said he will keep all old logs. Mike Harvey is in charge of getting the commercials written. Bill Taylor suggested we might tape the ads.

Frank Young pointed out that he needs more men to do production work.

WBMC was discussed. It was mentioned that it has a 30 man staff and no combo shows. It was pointed out that if WBMC doesn't get any ad money this semester, the undergraduate council will refuse to give them any more money.

The "The Taylors at Home" show was discussed. It would be given from 7:30 to 8:30 AM. Frank Young mentioned that Ridge Bolgiano calculated it would cost $50 to bring it in from the Taylor residence in Bryn Mawr. Chuck Read says it would be quite feasible technically.

Chuck Read will investigate the technical aspects of WHRC going FM or AM commercial. Phil Gerdine pointed out that the financial picture is frigid.

The Board decided not to loan records to the Social Committee for dances.

It was decreed that only Board members could have keys to the station.

The next meeting will be on October 22, 1958, at 6:30 PM.

Geoff Raymond was appointed Great Music Director.

The meeting was adjourned at 9:36 PM.

Respecfully submitted,

Peter N. Davis

Peter N. Davis, Secretary.

WHRC HAVERFORD COLLEGE • HAVERFORD, PA.

Minutes of the Staff Meeting of October 8, 1958.

The meeting was called to order at 8:05 PM by Pete Arnow, Station Manager.

Mike Harvey mentioned that the advertising assignments had been handed out. He requested that all salesmen submit a copy of their class schedules to him for future reference. He pointed out that the Bryn Mawr campus would be completely covered by next week.

Pete Arnow announced that a temporary antenna was being installed at Bryn Mawr. He said that new cable must be buried later.

Chuck Read pointed out that WHRC has a greater responsibility than other campus organizations since we "leak" off campus and that due precautions must be taken.

Nominations for the position of Technical Director, now vacant, were opened. Dick Stowe nominated Chuck Read. Nominations were closed. He was elected unanimously. The position of Chief Engineer was vacated.
Nominations were opened for the position of Chief Engineer. Jim Pendleton nominated Dick Stowe. Nominations were closed. He was elected unanimously.x The position of Special Events Director was vacated. The Board will appoint a person for this position at a future meeting.

Chuck Read presented his technical program for the year. He explained explicitly his new tape recording procedure.

Jeff Raymond requested that all Great Music selections be submitted to him a week in advance for inclusion in the program guide.

Frank Young asked that all program formats be submitted to him by Friday. He expressed the desire to have WHRC sound professional.

Phil Gerdine requested that all advertising checks be written to "Radio Station WHRC", not to Haverford College.

The meeting was adjourned at 8:38 PM.

Present at the meeting were: Matchett, Stowe, Raymond, Young, Jones, Barber, Bertolet, Towle, Gerdine, Fernsler, Gucker, Lipton, Taylor, Moyer, Kain, Holtzman, Rodell, Brown, Craig, Pendleton, Saint, Smith, Forster, Dorsey, (Mauri), (Gwathin), (George).

Respectfully submitted,

Peter N. Davis

Peter N. Davis, Secretary

W H R C
Haverford College
Haverford, Pennsylvania

Minutes of the Staff Meeting of October 8, 1958.

The Staff Meeting was called to order at 8:05 PM by Pete Arnow, Station Mangger.

(Steve Shapiro has been retroactively not dropped from the staff according to the motion of the board meeting of September 28, 1958.)

Mike Harvey announced that the advertising assignments had been mailed out. He requested the class schedules from all salesman. He then explained briefly the assignments and the sales policy. He mentioned that Bryn Mawr College would be completely ? covered by WBMC by next week.

Pete Arnow announced that a temporary antenna is being put up at BMC until lines can be laid.

well! Chuck Read pointed out that the station has a greater responsibilty than other campus organizations because we leak off campus.

Technical Director election: Dick Stowe nominated Chuck Read. Since there were no further nominations, they were closed. Chuck Read received a unanimous vote. He vacated the position as Chief Engineer.

Chief Engineer election: Jim Pendleton nominated Dick Stowe. Since there were no further nominations, they were closed. Dick Stowe received a unanimous vote. He vacated his position as Special Events Director, an appointed position.

Chuck Read presented the new "foolproof" tape procedure.

Geoff Raymond asked that all Great Music selections be submitted to him a week ahead for entry in the weekly program guide.

Frank Young requested that all program formats be submitted to him by Friday. He desired that WHRC have a professional format.

Phil Gerdine requested that all advertising checks be written to "Radio Station WHRC."

The meeting was adjourned at 8:38 PM.

Respectfully submitted,

Peter N. Davis
Peter N. Davis, Secretary

WHRC HAVERFORD COLLEGE • HAVERFORD, PA.

Minutes of the Board Meeting of October 22, 1958.

The meeting was opened at 7:10 PM by Pete Arnow, Station Manager.

Present were: Bolgiano, Arnow, Read, Gerdine, Meyers, Raymond, Davis, Stowe, Lehfeldt, Jones.

It was announced that the PO Box combination and the Station lock would be changed.

Ridge Bolgiano compared that cleanliness of the Station to a pigsty. He suggested cleaning it up/

Chuck Read suggested having the maids clean it up every week. He would investigate.

Chuck also suggested obtaining black and white Studio signs, etc., similar to the No Smoking signs which abound about the campus.

The Taylor line, it was learned, would cost $10 installation plus $2.50 a month rental. We have the necessary equipment on hand. If we can sell it, we will program the Misery Show again from the Taylor residence.

It was learned that there is a professional console for sale for $500. We could use the tape recorder money. An investigation will be made.

Marsh Meyers suggested that we put in new shelves in Studio C for records. He asked the Board Members to keep the DJ's in line about putting the records for their shows afterwards. He said people are leaving records scattered about. He mentioned that all unmarked personally-owned records could be requisitioned if left on the premises. He suggested that some system be established for DJ's to store records for their shows. It was decided that those leaving records out would get a cut.

John Mandell will be requested to file the new records if he wishes to continue removing the rock 'an roll records from the mail box.

Geoff Raymond said that Great Music men are not submitting their programs to him. He said they will have one more week to comply. If the system doesn't work by then, he will plan all future Great Music shows.

Dick Stowe outlined all special events thus far.

Stark Jones was appointed Speciall Events Direcotr and Ian Davidson Sports Director.

Frank Young announced for Mike Harvey that $156,27 worth of advertising has been sold thus far.

Bill Taylor suggested doing an election night show. It would cost $100 for the teletype.

We must return to the WFLN news because WJBR now has a sponsor for theirs.

Frank Young said we need new sign on, sign off and station break formats.

Ridge Bolgiano said that the FCC allows us to radiate 250 feet from any power line to which we are connected.

Geoff Raymond said that henceforth the faculty will receive program guides, too.

Preparations for Parents Day were discussed, and all seemed to be in order.

10-22-58

Marty Lehfeldt will make tapes of commercials and have records cut of them, it was announced.

It was pointed out that the away football game of November 15th had yet to be sold.

Ridge Bolgiano said that WIFI, a new FM station, needs extended program time. WHRC could supply it from 11 PM to 1 AM. They will be contacted.

The meeting was adjourned at 8;30.

Respectfully submitted,
Peter N. Davis
Peter N. Davis, Secretary

Minutes of the Board Meeting of November 5, 1958.

The meeting was opened at 8:05 PM by Pete Anrow, Station Manager.

Present were: Stowe, Read, Arnow, Lehfeldt, Gordine, Young, Raymond, Harvey

Frank Young said that Parents' Day was all set.

No decision was made on the Mandell record situation.

The CRC spots have been wrong.

It was asked whether Bill Taylor could use the station tape recorder. It was decided he could.

Frank Young said the logs were in order.

Frank Young submitted his resignation. A staff meeting will be called soon next week to fill the position.

Geoff Raymond said that the Great Music shows were organized for next week.

Mike Harvey said that he was being somewhat lax in his duties because of his studies and this situation was being complicated by a lack of cooperation from his salesmen. He asked if the Board desired a new Sales Manager. If so, he would submit his resignation. He was given an expression of confidence.

The console has been repainted.

Friday night and Saturday morning last the tuning knob was broken off on the transmitter. WJBR was turned off as a result. Conjecture was raised as to the cause of this broken knob.

We have no program console for the Taylor show, it turns out, and no spots for the show, Chuck Read reported.

There will be a Staff Meeting next Wednesday night.

The meeting was adjourned at 8:39 PM.

Respectfully submitted,
Peter N. Davis
Peter N. Davis, Secretary

WHRC HAVERFORD COLLEGE • HAVERFORD, PA.

Minutes of the Joint Board Meeting of WHRC and WBMC of November 24, 1958.

The meeting was opened at 8:50 PM by Pete Arnow, WHRC Station Manager.
Present were: Arnow, Lehfeldt, Stowe, Read, Gerdine, Davis, Bolgiano, Davidson, Harvey, Rayond, Pendleton and the WBMC Board.

Pete Arnow stressed the need for more joint programing.

It was pointed out that WBMC has $30. Bryn Mawr may not let us put in lines in the heat tunnels. WBMC will get $17.00 (net after outstanding bills are paid) from WHRC for carrying our ads. WBMC could sell ads to get revenue. Their ads would have the same price as ours. A simplex or other phone system could be put on the line for interstation communication to alleviate the need for costly telephone service at WBMC.

WBMC will be carrying our home basketball games. WHRC would like to carry more WBMC special events.

WBMC reception is terrible all over. The turntables are in horrible condition. Someone at WBMC will have to appointed "mother" to the turntables if they are to continue to operate. WHRC technical staff will check the antenna and transmitter of WBMC shortly.

WBMC personnel entusiasm, or lack of it, was discussed. More exchange of personnel was suggested as a partial remedy. The transfer of Easy Chair shows to BMC was another. It was decided to take a WBMC poll of students between Thanksgiving and Christmas.

The meeting was adjourned at 9:35 PM.

Respectfully submitted,

Peter N. Davis, Secretary WHRC

WHRC HAVERFORD COLLEGE • HAVERFORD, PA.

MINUTES OF THE BOARD MEETING OF JANUARY 7, 1959.

The meeting was called to order by Peter Annow, Station manager. Present were Harvey, Davidson, Bolgiano, Raymond, Arnow, Gerdine, Davis, Lehfeldt, Stowe and Pendleton.

It was announced that a Staff Meeting will be called for next Wednesday night for electing officers for second semester.

Thursday night, the 15th of January, was declared the last night of regular operation during the first semester. With Board member's approval, non-scheduled programs would be allowed.

We have $45 to spend. Records will be purchased through the Record Concession. Mike Harvey will head the purchasing committee. An exact bill must be submitted to Phil Gerdine in order that a check may be written by the Comptroller's Office. The purchase will be limited to $36.

There is trouble with the engineer's mike; its ~~its~~preamplifier is defective. A temporary line from the mike will be run to a line amplifier. The pre-amp. will be fixed after finals.

The Board expressed its appreciation for the poll of student opinion which Marty Lehfeldt took. He discovered that Great Music is the most popular program. Next, in order, came the Easy Chair and Rock an' Roll. The main complaint is poor reception. 30% of our listeners tune in to WJBR during the day. No one has any opinion about interviews. Our listeners do desire good hack shows. They are not interested in shows from WBMC.

The FM transmitter is completed except for the output stage and the antenna. It should go on the air next semester.

The condensors for the French House "street lamp" line will be installed next semester, as will the tone oscillator.

We are not in good pleasure with CRC because our personal are not putting on the ads when they are scheduled. This must stop.

Respectfully submitted,

Peter N. Davis

Peter N. Davis, Secretary, WHRC

7:04
7:35

WHRC HAVERFORD COLLEGE • HAVERFORD, PA.

MINUTES OF THE STAFF MEETING OF JANUARY 14, 1959.

The meeting was called to order by Peter Arnow, Station Manager, at 8:57. Since the number of freshmen on the staff is unknown, the membership was declared to be 45. A quarum of 15 was present.

Board elections were held.

Nominatee	Nominator	Vote	Position
Arnow	Harvey	Unanimous	Station Manager
Lehfeldt	Read ~~Raymond~~	Unanimous	Program Director
Gucker [illegible]	Raymond ~~Raymond~~	Unanimous	Technical Director
Stowe	Read	Majority	Chief Program Director
Raymond	Harvey	Majority	Production Manager
Harvey	Stowe	Majority	Secretary
Read	Stowe	Majority	Treasurer

All positions were unopposed.

There will be a Board Meeting for the newly elected members on Thursday night, the 15th, at 7 PM.

The meeting was adjourned at 9:07 PM.

Present at the meeting were:

Stowe
Read
Jones
Saint
Gerdine
Brown
Holtzman
Gucker
Hauri

Raymond
Harvey
Davis
Barber
Arnow
Pendleton
Lehfeldt
Craig

Respectfully submitted,

Peter N. Davis

Peter N. Davis, Secretary, WHRC

WHRC HAVERFORD COLLEGE • HAVERFORD, PA.

MINUTES OF THE BOARD MEETING OF FEBRUARY 7, 1959.

The meeting was called to order at 8:45 by Peter Arnow, Station Manager. Present were Arnow, Reed, Harvey, Raymond, Stowe, Gucker, Tatnall, Lehfeldt, Mandell, Holtzman, Gwatkin and Tannenbaum.

Peter Arnow announced plans to "pull the staff out of the hole" of annual mid-year slump. Marty Lehfeldt will contact program men; Dick Stowe will contact engineering men; and Xandy Gucker will contact technical men.

Chuck Reed submitted the Budget for second semester for Board examination:

Technical Repairs and Preventive Maintenance		$15.00
Miscellaneous		
	Telephone lines	$35.00
	B.M.C. line for four months	$36.00
	Transportation	$ 5.00
	Secretary's Supplies	$15.00
		$91.00
Anticipated Revenue from local adds		$70.50
Capital Expenditures Request		
	10 Watt F.M. Transmitter	$30.00
	Classical, Jazz, Folk records	$35.00
	Popular records	$30.00
	2 Reels Tape	$ 5.00
		$100.00

With additional anticipated revenue from the College Radio Corporation, Reed announced that the Station ended the semester with a balance of $14.96 which must be turned back to the Students Association.

A motion was made and carried to replace Frank Young's "A Mighty Fortress" record because it had been worn out with sign-offs.

Peter Arnow pointed up the fact that C.R.C. does not "recognize Haverford's individualism." The station scheduled C.R.C. adds wrong for one month and, when scheduled right, they were not broadcasted "right." As a result, the station lost a $75.00 contract with C.R.C.

The Board decided that adds this semester should go on as scheduled with a lee-way of + or - 10 minutes. Failure to put on an add within the allotted time will result in ½ a cut. Failure to fill out a log will result in ½ a cut. Failure to broadcast an add will result in 1 cut.

Marty Lehfeldt announced the availability of a great many men for substitute programming.

Chuck Redd pointed out that BMC is now broadcasting at 680 on the AM dial.

A suggestion was made to do exchange programming with B.M.C. Raymond, Arnow and Harvey volunteered to drive girls to Haverford for shows.

Sam Tatnall announced his intention to make special events "more novel" with fewer interviews. Suggestions were made to record Dr. Ludington on the organ in Stereo, to broadcast parts of Great Music in Stereo, and to record and broadcast the Tri-College Festival and the Haverford Octette in Stereo. Tatnall will get the necessary mike in a couple weeks.

Xandy Gucker announced that W.H.R.C. will be broadcasting F.M. in one week.

John Mandell moved that $10 be added to the budget for new earphones. The motion was passed.

Garry Holtzman and Sam Tatnall will reorganize and weed out the station's tapes.

The five-minute "This I Believe" program every weekday night was praised and rebuked in a short Board debate. The Board voted to retain the program.

Marty Lehfeldt pointed out that the sign-off is a "stumbling block."

Dick Stowe suggested that a tuner be installed for the 11 o'clock news from WFLN to switch back to WJBR for music in the morning. It will be explored.

Bob Tannenbaum has requested Great Music Men to hand in program schedules a week in advance. Hmmmmm.

Peter Arnow stated : "We're going through our annual "bell curve" in enthusiasm. Organization will keep things solid. If people get on a schedule, they'll adhere to it. Let's hope for the best."

Sam Tatnall requested suggestions for additional special events. Given, were:

Where do all our dieticians go?

What had Dr. Williams done with the $4800 grant he received several years ago?

The station will go stereo at various times starting in a week and a half.

The next Board meeting will be two weeks, February 19, 1959 at 9:30.

The meeting was adjourned at 9.47.

Respectfully submitted,

Mike Harvey

Mike Harvey, Secretary, WHRC

WHRC HAVERFORD COLLEGE • HAVERFORD, PA.

THE MINUTES OF THE STAFF MEETING FEBRUARY 7, 1959

For lack of a quorum, the members present were excused. Present were Mandell, Kain, Brown, Nakayama, Raymond, Arnow, Harvey, Gucker and Rogerson.

Respectfully submitted,

Mike Harvey

Mike Harvey, Secretary, WHRC

WHRC

Inventory: Revised 7 May, 1960

(Replace new)

ech.

Date Purchase		Num	Description	Value	Longevity
Sem.	Yr.				
1/60		1	Dynakit Amplifier	40	15
		1	Heath 6 volt Power Supply	40	~~4~~ 3
		2	Console H.V. Power Supply	60	~~5~~ 4
		1	Studio R. H.V. Power S.	30	~~5~~ 4
		1	Relay power supply	20	~~5~~ 4
		1	Filament power supply, 30A	50	~~5~~ 4
		1	Studio type console: 14 inputs plus switching & monitoring equipment. Integral preamps	1300	~~3~~ 2
		1	Studio R preamp-4 channel, Cue amp.	25	~~5~~ 4
		4	Modified GE phono preamps	20	~~5~~ 4
		1	4 channel line amplifier	25	~~5~~ 4 - not work
		1	2 channel remote amplifier	40	~~1~~ 0 ½
		1	Transmitter & associated pts. Modulator audio amp. Crystal oscillator, 690 kc. RF amp. 32 watts Pi-type antenna coupler 4" Oscilloscope Modulator power supply Oscillosscope power supply 30 second plate-current delay	100	~~10~~ 9
2	60	1	Transmitter & assoc. parts ~~(Bryn Mawr)~~ Modulator audio amp Crystal osciâlator, 680 kc. RF amp, 32 watts Pi-type antenna coupler Modulator power supply Transmitter power supply Transmitter & assoc. parts	75	~~10~~ 9
2	60	1	Pair Headphones	3	~~1~~ 0 ½
2	60	1	Scott 311-0 FM tuner	86	~~15~~ 14
2	60	1	Jerrold pee-amp	55	~~10~~ 9
		4	microphone table stands	20	~~10~~ 9
		2	microphone booms	130	~~5~~ 4
		1	microphone floor stand	10	~~10~~ 9
		2	Livingstone turntable arms	***	***
2	60	1	Speaker & baffle (Coop)	14	~~10~~
2	60	1	set of record cleaning equipment	3	~~1~~ 0
1	60	2	Ceco Baluns	11	~~15~~ 14
2	60	1	4 element Yagi FM receiving antenna & mount	20	~~5~~ 4
		2	Brush turntable arms	***	***
		4	Astatic turntable arms	40	~~2~~ 1
		4	GE variable reluctance phono cartridges, diamond	60	~~2~~ 1
		2	12" Telechron clocks	20	~~10~~ 9
		1	12" GE clock	10	~~10~~ 9
		1	VU & Cue amp	20	~~3~~ 2
		1	84 input patch panel	90	~~4~~ 3
		3	Monitor amplifiers-Heath A7D	120	~~6~~ 5
		2	Rek-O-Kut Rondine turntables	150	~~10~~ 9
		2	Rek-O-Kut LP-743 turntables	120	3 2
		1	Magnecord Stereo tape deck & Preamp	500	10 9
550		1	55S Shure Unidyne Mic	50	5
		1	U9S Turner dynamic mic	50	~~4~~ 3
		1	556-S Shure Unidyne mic	100	~~5~~ 4
		1	RCA Hi-6204-B ribbon mic	100	0 0 ?
		8	Microphone extensions	40	~~3~~ 2
		1	Desk type table	10	~~7~~ 6
		3	Custom 30" platforms for equipment	30	~~15~~ 14
		2	Bud Relay Racks CR-1745	70	~~10~~ 9
		1	Steel file cabinet, 2 drawer	30	~~15~~ 14
			Log sheets, FCC form Stationary Records of station business, diagrams, etc.		
			TOTAL	$3969	

WHRC HAVERFORD COLLEGE • HAVERFORD, PA.

Minutes of the September 27, 1960 meeting of the Board of Directors of WHRC:

The meeting was called to order at 7:00 in the Students' Council Room by Station manager Chuck Read. John Heuss, Clark Maxfield, Bob Ezerman, Lindsley Williams, Dave Bates, Phil Musgrave, Dan Smiley, and Garry Holtzman were also present.

On Monday, October 3, WHRC will begin its scheduled operating season, again relaying WFMZ during the morning and afternoon hours. Owing to the tireless efforts of several WHRC technicians, the Bryn Mawr transmitter is again functioning and the WHRC-WBMC "Twin-College Network" is again to become a reality.

The operating budget for this semester will have to have been prepared by the Treasurer before October 8th.

The Harold R. Blackstone Record Shop of Bryn Mawr has agreed to supply WHRC with the "Top Ten" hit records of each week. The Columbia Record Company has, under a special plan, offered WHRC its Masterworks releases for the standard network prices. Comparable arrangements are also being negotiated with RCA, Angel, and Capital.

At the meeting with the Freshmen of the heads of extracurricular activities, several members of the Board will answer any questions which arise in the discussion, and then interested Freshmen (and any other interested students) will be invited to come to see the broadcasting studios in Union.

The Bell Telephone Company has obliged the more short-minded of WHRC's audience by changing its phone number to:

MIdway 9-1200

It was agredd (following no small amount of discussion) that the Board of Directors of WHRC will adopt the policy of having a regular weekly meeting — Thursdays at 9:00.

The meeting ended promptly at 7:30.

SILENCE
IS
MEATBALLS

Garry Holtzman
Secretary

(1) That the present AM fascilities be put in complete working order, and whatever new equipment is needed be purchased at this time, such as console, audition amplifier, and a new stock of new tubes.

(2) That the station purchase an Ampex recorder. That this recorder be if at all possible (1) an Ampex 351, and (2) that it be portable. That it have a mixer to permit the use of two microphones.

(3) That the station buy two B&O Fentone ribbon mikes at dealer cost from the Dyna Corp. in Philadelphia. These to be used with the Ampex for orchestra recording, etc.

(4) Programming: That the quality of the programming on AM be improved as follows: training of engineers in proper and standard programming techniques; training of announcdrs in announcing; appointment or election of a program director and a librarian, the litrarian to set out records for the day's programs. That throughout the station organisation standard broadcast-in gprocedure be amde use of.

(5) That with the tape recorder mentioned in (2) above, a series of taped programs be made for presentation on educational station WHYY-FM in Philadelphia, as per tentative arangement with WHYY. Advantages of this system are: that an FM transmitter need not be bought and licensed at this time, and before a full-operative and reliable and continuing organisation capable of maintaining nightly programming has been developed; that the college administration, etc., may be assured of our capabilities before financing us; that such taped programs may be redone until fully presentable before airing; that pur programs will reach an established audience of several thousand regular listeners (WHYY official figures) over a transmitter of 20,000 watts; that we will recieve full over-the-air credit for our own programs (our station will be identified befo each broadcast on WHYY).

(6) That an exploration program be continued to outline future efforts tomgo FM, and that constant evaluation of the taped programming be undertaken, both to permit constructive criticism of that programming in order to improve it per se, and also to determine the advisability of undertaking our own FM programming.

General Comments: The upgrading of AM programming and programming techniques would make available for the FM taping trained engineers and announcers and producers. These people would either be available for FM broadcasting, or would be able to train a future generation of students for future FM broadcasting.

We should make every effort to establish friendly and constructive relations with WHYY, in particular (this is my private opinion) with the current FM program director, Mr. Keeler. We should constantly try to dotaped programming of interest and value to WHYY, and should makeevery effort to learn the techniques used at WHYY which would be of value to us.

David Bates

June 19, 1962

(7) addition: that a preventative maintenance program, whereby tubes are changed, whether blown out or not, after 20,000 hours of use, be instituted. This to prevent gradual deterioration of our equipment. That controls, wiring, etc., be checked ~~on/a~~ according to a regular, planned, system such that every piece of equipment and wiring is gone over at least twice yearly. The expense for tubes, etc., will be made up for in the decreased cost for major repairs and replacement.

Woodstock, Connecticut

June 27, 1962

Dear Dick,

Thanks for the letter. I have written the station managers at WXPN and WBUR-FM, at U.of Pennsylvania and Boston U., asking them for info on their organisations. Both these stations, I believe, a e year-around affairs, andwill have summer station managers. At ;east, I hope so. I'll let you know what happens, and will send their letters to you.

Here is a copy of whatvwe did at WHYY. I've sent it to you vi Rick VanBerg, so that he can add to it, or correct it, as he was with me at the meeting.

I hope that you feel as I do about beginning the low--pressure, occasional, taping program for WHYY. I do not feel that we need to worry overly about the organisational problem, as we must learn by experience, ultimately, and should be observing our particular situation for best ways to organise. I agree whole-heartedly however, with your efforts to learn about the organisations of other stations. However, we should not under any circumstances, wait until we have anything and everything figured out on paper before beginning to do taping for WHYY. We must, I feel, take advantage of the technical assistance we have at this time to set up AM fascilities, (except, of course, for the AMtransmitter, about which I have not one single suggestion - we're up against the very wiring of the college here), in order to be able to use the fascilities - new console, good FM tuner input, and other items on my and VanBerg's list. And the obtaining of an Ampex and mike. Thus we can keep up, and raise more, interest in FM. What you mean about "waiting three or four months" before getting to work on repairing the AM, I do not know. Please explain this. You do use the word "convert" - please realise that the purchasing of a console, tape recorder, and the general upkeep is all that needs doing in the way of"converting."

I've got to close now. Write me if you have any comments, etc.

Yours,

Dave Bates

PS: Word from Pete Norberg
is that the Magnacord
recorder has been
completely overhauled
for free as a "gift to
the station" from his
dad! Horay on that
score. I am doing
well in getting
carpeting.

Courage, man; with this
luck and backing we ought
to be able to swing
Some sort of EFM.

Woodstock, Conn.

July 12, 1962

Dear Rick,

Yes kiddies, it's me. Briefly. I have (1) run out of magna oppera to send thy way, so you'll be spared the paper deluges of the past.

You sound like you are having one hell of a summer at Case. If you are really puting that much time in (70 hrs/wk) you're crazy to think you'll be in shape for college in the fall. Either you'll be a greasy grind, or a physical and mental wreck. And of course, no station... But I'm prejudiced. I must honestly remember that I'll not be the one who will have to impliment my or anyone else's brain slides. I'll be elsewhere.

I got a complete and detailed description of the organisation, the posts in the organisation, the function of each post, the operating procedure, and the policies of, WBUR-FM at Boston University in the mail today. The info was in the official handbook of the station, an impressive 20-plus page item which I have sent to Unger as he requested. I have yet to hear from the U. of Pa., and will nudge them in a week if no answer by then.

As to your concern that the AM transmission quality is an insurmountable problem and therefore seems to make "fixing up of the AM" impractical, let me explain what I ~~am~~ have in mind, for it is important to me:

(1) By"fixing the AM" I mean the achieving of a top-quality audio signal within the station, and of course to the transmitter. The transmitter, and the lines, of course, will remain in all likelihood gruesome, as now. Top-quality audio to be obtained by (a) new Gates control board, (b) refer to my list, for other details.

(2) The audio quality is necessary for any taping for, or live shows over WHYY, and equipment and repairs may be paid for by approaching the college with that fact.

As to your concern that an Ampex and Gates in the same semester might not be swingable, I sincerely doubt that it is, in fact, impossible. MacIntosh was quite amenable to my detailed description of our plight, and said that he would be most interested in looking over our list of necessary expenses. Your comment that a 351 might not be the only machine we should think about getting is well taken. But we should ask for one without hesitation, and only if necessary go back to, say, a PR-10A. The 601 is no longer made, and the used ones will not be good investments over the long run. No other Ampex made today, other than the 351, takes 10'' reels, by the way, and 10'' reels are musts. Outriggers to convert other models to 10'' reels are completely unworkable and damage the machines.

Long-play tape would make possible taping of programs with a 7" machine, but would not allow satisfactory taping of concerts, etc., over 45 minutes in length. Buying of other machines than Ampex is bad, (see my other letters.) So, I conclude that a Gates and an Ampex might not be impossible, given hard facts and an amenable Vice President.

ALSO, SPECIAL FLASH. The Ford Foundation has decided to promote the growth of educational broadcasting as its #2 item of importance in the US for 1962. We should, without fail, ask the college administration whether we should try to milk the Ford Foundation to help set us up.

My estimate of 20,000 hours should have been somewhat less, as I was giving the absolute maximum running time for non-critical tubes, as it turned out. I will have to check my figures. Your comment that we would be going three yrs with out changes is well takem. We are not doing continuous duty.

And lastly, if we give the new recruits particular, clear-cut, jobs to do to "build HRC" into an efm station, we'll have all the esprit de corps we will need for a short time, and during that time, with a clear idea of a tentative and experimental organisation in our heads, we may fit people into the first, tentative, positions as quickly as practable, and set them to work producing,(each, I would suggest, in charge of a particular field or show) programs for WHYY. With programs on the air early in the semester - how many I don't have any way of knowing, which people can hear at Haverford, and which the workers can hear, their own shows, we will be as well off as we can hope to be, given a bum AM setup about which we can do nothing without rewiring the college.

Good for your unvisionary recruit. Rare birds, we need more of them. I hope my ideas are not overly visionary!

The Magnacord is not portable only because we have never bought the case that goes with it. BUT PLEASE, PLEASE (sob!) Please, do not try to make airable-on-HYY tapes on that machine. It can't be done, and never has an FM station ever, to my knowledge, made network-accepted tapes on one. Remember, our tapes will quite possibly go out over the educational network, up and down the east coast, from Boston to Fla., and even if they should not, they will not meet WHYY's quality of magnacorded. Again, hang on for an Ampex every inch of the way. The Magnacord will, by the way, be needed for AM work, and for copying from tapes. It will play back perfectly satisfactorally for recording onto an Ampex, by the way, as you will remember Mr. Keeler's saying at HYY.

You all But you said
anyway sleep they

Maintainance: I do not think it will kill anyone, given your mundane friend and Scoll - if the latter returns.

As for your feeling that you may be swamped with work next year. Fergodsake try to deligate work, along my suggested lines, and see if you can capture enthusiasm. If you can't get any help, you might as well hang up.

Someone's gotta try! I've seen this sort of thing tried before, elsewhere (ferinstance Highschool), and it finally "took on" when the core started getting help, and began to deligate responsibility. Without a broad base of support, we'll never make it.

See thee.....

pax tecum

Batz

ps: Please be advised of my prejudice towards any one of the Ampex recorders pushed by that company as "home" machines of "professional quality." These, such as Max's steric, simply lack the features essential to broadcast use and needs. Such as: ruggedness. Drop Max's from a heigth of six inches and it would bend its deck plate and be useless for keeps, or would bust elsewhere. Mainly, the deck plates are very light, although the machinery is good enough. The broadcasting industry simply has not been able successfully to use any of the "home" Ampexes. Another liability is the 7" reel limitation. Also the lightness of the controls. The PR-10A, although a 7" machine, is the cheapest Ampex we should ever consider getting, now that the 600 series is out of production.

STUDIO BROADCAST CONSOLE
FOR
HAVERFORD COLLEGE

The equipment will be housed in a DT2200 metal console. Pre-amplifiers, switching and control equipment will be installed in the front turret section. Power amplifiers will be mounted in the rear pedestal. The rear turret section will open for easy service and connection of input and output wiring. Amplifiers will be serviced from the rear. The drawers in the pedestal section may be used to house a tape deck, and miscellaneous storage. Turntables may be placed at a right angle to the console for easy operation. The shelf space in the front is convenient for the microphone and announcements.

All equipment described is the standard manufacture of the Rauland-Borg Corporation and would be fabricated in their Chicago plant. Complete installation, maintenance and operating instructions accompany the equipment.

The MC500/MA200 is recommended for use as the master program channel. It contains four microphone inputs (each with a separate volume control) any or all of which can be mixed with one auxiliary input. The auxiliary input will accept any one of ten high level inputs such as crystal phono, tape, tuner or remote line. If magnetic pickups are used on the turntables they will require one stage of amplification. Provisions are made to convert all

microphone inputs to low impedance.

The PB400 is recommended as second and third input channels. It contains the same input devices and controls described for the MC500/MA200. All three panels are wired in parallel so it is a simple matter to obtain any variety of switching that is desired. For example, the master channel could be used for Program, the second for Audition and the third as Emergency. This entire order can be reversed or interchanged at the will of the operator.

In addition to the above controls, the master channel contains a VU meter, monitor speaker with volume control and a selector switch to determine which of the three channels is being monitored.

Since each of the above input channels mix up to four microphones with any auxiliary input, they each perform dual functions. With three such panels, up to six like functions can be set up in a multitutde of combinations.

Each of the above input channels is connected to a SA51 power amplifier. This provides three output channels. These output channels in turn connect to the A, B, & C busses of the SP125 switch panel. Any speaker or group of speakers may be connected to an output selector switch. When the connection is made, the speaker will receive the program from A, B, or C channel as selected by the operator.

The equipment will faithfully reproduce source material over a range of 30 to 15,000 c.p.s. standard commercial products only are used in this assembly and replacement parts are available locally. One modification will be made to allow the jacking of a headphone into each of the input channels.

Enclosed is descriptive literature and performance sheets of the various components.

The quoted price of this complete equipment is $1200.00.

November 5, 1962

MEMORANDUM

To: Mr. Aldo Caselli

From: E. J. Ryan, of Louis T. Klauder and Associates

Re: 5 channel, 13 input mixer broadcast console for Station WHRC at Haverford College.

Data: 3 sheets of free hand schematics and 1 Dynakit Preamplifier circuit printed sheet.

Problem: To check request for purchasing equipment as outlined above, relative to suitability, price and other factors.

As Requested: Conferred with Mr. R. P. Van Berg and Mr. Lance Jackson on Oct. 30, at the college. We inspected the present equipment at the station and discussed their needs for improving the quality of their broadcasts. The existing console is rather crude and could very well stand replacing. At the present time the station can broadcast AM programs only which are of poor fidelity. One solution would be a new console and FM transmitter. The boys have a very definite idea of what they would like to improve their program and thereby reach more students with more improved programs. The students feel that they could get more for the dollar if they assembled and wired the console as a project. This method would be cheaper and we believe it could be done except it would not be a standard piece of equipment that could be readily serviced for years to come. The boys thought that by their doing the work, the cost would be low enough to come out of the student fund.

The entire cost of the student-built console they estimate at considerably less than one thousand dollars, and the cost of a complete FM transmitter (factory assembled) would cost approximately eleven hundred dollars. The matter

LO-3-9882

November 5, 1962

Memorandum to Mr. Aldo Caselli (continued)

of thirteen inputs is reasonable when listed as follows:

2 turntables, 2 tapes, emergency and normal mikes
1 and 2, FM and five remote sources.

The five channels are for switching from one source to another without considerable changing.

We are investigating possibility of similar set up by manufacturers instead of by the boys. We expect reply and estimate costs by the end of the week. We have several manufacturers looking over the schematics and they will advise as to type and availability.

- - - - - - - - - -

Rauland

DT2100 CONSOLE

Ample Knee Space

Large Capacity

Drawer and Roll-Out Shelf

SPECIFICATIONS

CAPACITY: Desk. Drawer 15" x 15-7/8" x 9-1/2"
56" of rear mounting space for 19" panels.
Turret: 28" of mounting space for horizontal 19" panels.
Vertical space 3-1/2" x 14". *
DIMENSIONS: 42-1/4" wide, 24-1/4" deep, 45"high. Desk top 30" high.

CONSTRUCTION: Cold rolled steel
WEIGHT: Approx. 100 lbs.
FINISH: Blue Gray baked enamel. Matching Dark Gray linoleum desk top. Bright aluminum trim.

* Equipment panels not included with Console.

DESCRIPTION

Model DT2100 is a sturdy and handsome full sized console. It has extra large capacity for mounting all the controls and power equipment for a large school or commercial Sound system. The 56" of panel mounting space in the rear, gives this compact desk an unusual capacity and flexibility and yet the floor space required is only 42-1/4" x 27-1/2"

The quiet running roll out drawer is usually used to house a record changer.

ENGINEERING SPECIFICATIONS

The equipment shall be housed in a desk type console, Rauland Model DT2100 or approved equal. The console shall measure 42-1/4"wide, 27-1/2"deep and the desk top shall be approximately 30" from the floor. The overall height shall be not over 45"

The console shall be constructed of cold rolled steel finished in blue gray baked enamel, with matching dark gray linoleum top. Trim shall be bright aluminum.

The turret face shall slope at an angle of 12° from the vertical and the turret shall have at least 28" of mounting space for horizontal 19" panels, with vertical space for a panel 3-1/2" x 14".

The console shall contain a roll out drawer measuring at least 15" x 15-7/8" x 9-1/2". The rear of the console shall provide at least 80" of mounting space for horizontal 19" panels.

The console shall be listed by the Underwriters Reexamination Service.

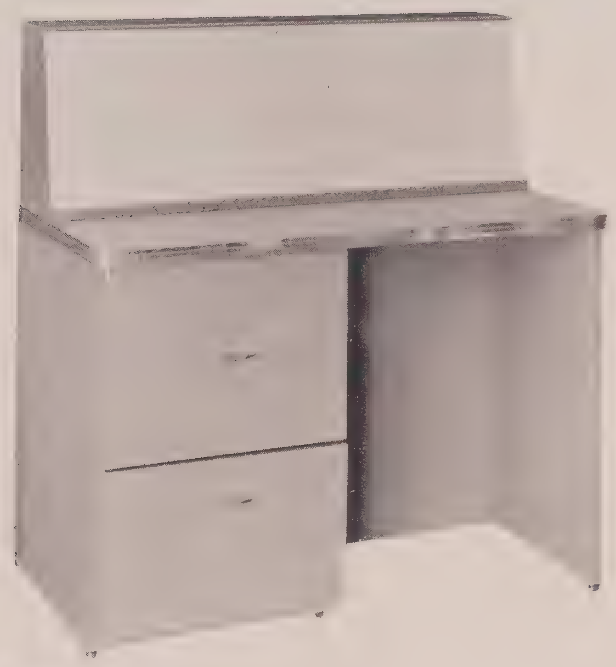
DT2200
CONSOLE ✓

Rauland

SPECIFICATIONS

CAPACITY: Front, 28" mounting space for 19" horizontal panels, Space for vertical panel 3-1/2" x 14".*
Rear, Desk Section: 56" space for 19" panels.
Turret: 24" space for 19" panels.
DRAWER: 12-3/4" deep, 15-5/8" wide, 9-1/2" height.
SHELF: 13-1/2" deep, 15-5/8" wide, 12-1/4" height.
DIMENSIONS: 42-1/2" wide, 27-1/2" deep, 45" high, Desk, 30" high. Desk area 12-1/2" x 42".
CONSTRUCTION: Cold rolled steel.
WEIGHT: Approximately 135 lbs.
FINISH: Blue Gray baked enamel, Aluminum Trim.

*Panels not included



DESCRIPTION

The Model DT2200 is a full size desk type console, handsomely finished in blue gray baked enamel, complimented by the dark gray linoleum desk top and aluminum edge trim. When the pearl gray equipment panels are mounted in the turret a striking contrast is provided.

Greatly increased capacity is offered in the Model DT2200. The entire back is equipped for the mounting of amplifiers or equipment panels, providing as much as 80" of mounting space for 19" horizontal panels in rear of the console. At the same time, this new console is unusually compact, requiring a floor space of only 42-1/2" x 27-1/2". It is ruggedly constructed and thoughtfully designed to provide the utmost capacity and versatility at the greatest dollar value.

The pedestal contains both a storage drawer, and a roll out shelf, for mounting a record player or other mechanism, which is concealed behind the attractive door. If desired, the pedestal may be ordered without the door front, for front mounting of equipment panels.

ENGINEERING SPECIFICATIONS

The equipment shall be housed in a desk type console, Rauland Model DT2200 or approved equal. It shall occupy a floor space of not over 42-1/2" wide, 27-1/2" deep, the height of the desk top shall be approximately 30" from the floor and the overall console height shall be not over 45". The desk shall have one floor model pedestal 19" wide, containing a drawer 12-3/4" deep, 15-5/8" wide, and 9-1/2" high. It shall also have a roll-out shelf measuring at least 13-1/2" deep, 15-5/8" wide with 12-1/4" of height, behind a hinged door. Desk area shall be at least 12-1/4" x 42" and kneehole space at least 21" wide, 29" high and 15-1/4" deep.

The turret shall have at least 28" of mounting space for horizontal 19" panels, with vertical space for a panel 3-1/2" x 14". The face of the turret shall slope at an angle of 12° from vertical. The rear of the turret shall also provide at least 24" of mounting space for horizontal 19" panels, if necessary. The desk section shall provide mounting space of at least 56" for horizontal 19" equipment panels.

The console shall be constructed of cold rolled steel and be finished in blue gray baked enamel with matching dark gray linoleum desk top. Edge trim shall be aluminum.

The console shall be listed by the Underwriters' Laboratories Re-examination Service.

Rauland

RAULAND-BORG CORPORATION

3535 W. Addison St., Chicago 18, Illinois

Rauland

MC500
MC600
MASTER CONTROL PANEL

Preamplifier and Controls,

Emergency Switch.

MONITOR
CHANNEL A
MC500

Mixes 2 microphones & phono.

Monitoring Meter and speaker.

SPECIFICATIONS

RATED OUTPUT: 1.73 volts with 0.2 volts on high level inputs. 0.004 volts on microphone.

FREQUENCY RESPONSE: ±1 db from 30-15,000 cycles. ±0.5 10 - 40K

DISTORTION: Less than 1.5% from 70-10,000 cycles. < 0.05 IM NOM.

INPUT IMPEDANCE: High Imp. Microphone inputs (low imp. optional).

NOISE LEVEL: Auxiliary - at least 60 db below rated output. Microphone at least 50 db below rated output.

POWER REQUIRED: 40 watts, 120 volts, 60 cycle AC.

TUBES: 1-EZ80/6V4, 1-12AX7, 1-12AU7.

DIMENSIONS: 19" panel, 5-1/4" high, 6-1/2" deep.

FINISH: Pearl gray baked enamel.

WEIGHT: 9 lbs.

ASSOCIATED EQUIPMENT: MA200, MS-200 series, R1003 low imp. transformers. MC500 requires SPTL121 type switch panel. MC600 requires SPTEL-121 type switch panel, PS72.

DESCRIPTION

This is a Master Control Panel which contains the program preamplifier with controls to regulate and mix two high impedance microphone inputs with any one of nine high level inputs. It is used only for single channel use where Channel C is not required, or where telephone type intercom is installed which does not need an intercom amplifier.

The MC600 has the authentic "Emergency Announce" function whereas the MC500 does not. In all other respects the two panels are identical. With the Emergency switch on the MC600 all switching and volume levels are automatically obtained, and merely switching on the console microphone delivers the emergency message to all speakers. No secondary operations are necessary. The MC500 requires the use of the SPTL121 switch panel and the MC600 uses the SPTEL121 type switch panel for the Emergency feature.

With separate bass and treble controls, monitor controls, (monitor speaker is optional), key type AC switch and VI meter the MC500 or MC600 make a highly flexible and compact control panel.

ENGINEERING SPECIFICATIONS

The Master Control Panel shall be Rauland Model (MC600) or approved equal. This panel shall incorporate a program preamplifier, and it shall provide 2 microphone inputs which can be mixed with any one of nine high level inputs, Tuner AM, Tuner FM, Phono, Tape, Line or any of four other auxiliary inputs. It shall be possible to add additional microphone facilities in multiples of 2. It shall be possible to convert microphone inputs to low impedance by the use of plug-in transformers, and provision shall be made for remote control of Microphone 2 (Rauland RC6 control or equal).

The Control Panel shall include a switch which permits monitoring all channels, with volume control (over built-in monitor speaker). It shall also include a VI level meter. Separate bass and treble controls shall be provided, pilot light and an A.C. switch of the key locking type. This panel shall also include a 4" speaker for tone annunciation, and a jack labelled "Record" for tape recording and tape playback. All channel control knobs shall be color coded for easy orientation.

(This paragraph applies to MC600 only.)
(Complete Emergency Announce service shall be provided, permitting operation of the console microphone to transmit to all speakers, regardless of their setting, at preset volume. All connections including turning on the AC shall be accomplished thru one switch.)

Rauland

RAULAND-BORG CORPORATION
3535 W. Addison St., Chicago 18, Illinois

MC500
MC600
MASTER CONTROL PANEL

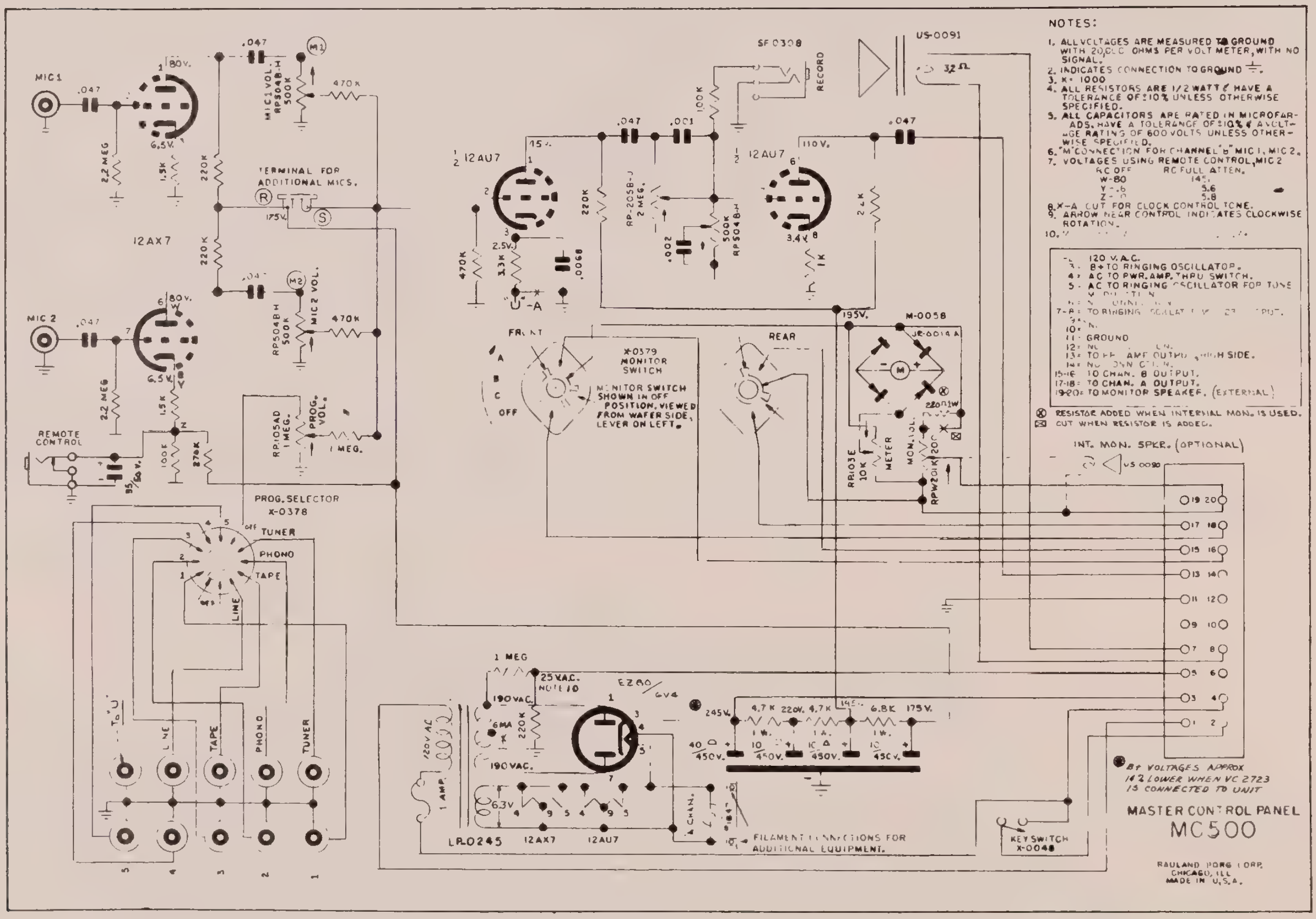
Rauland

The amplifier in this panel shall deliver 1.73 volts at not over 1.5% distortion from 70-10,000 cycles, with a frequency response within ±1 db from 30-15,000 cycles. The bass control shall attenuate at least 12 db at 40 cycles and the treble control at least 16 db at 10,000 cycles. The amplifier shall deliver 1.73 volts with an input voltage of 0.2 volts on high level inputs, and 0.004 volts on microphone inputs. The noise level shall be at least 60 db and 50 db respectively, below rated output.

±14 db @ 20k
±20 db @ 20 cy's

Tubes used shall be 1-EZ80/6V4, 1-12AX7, 1-12AU7. The entire control panel shall be contained in a 19" panel not over 5-1/4" high, (EIA standard) 6-1/2" deep and it shall be finished in pearl gray baked enamel, with a wear resistant transparent coating baked on after silk screening. It shall be listed by the Underwriters Laboratories Re-examination Service.

3


MIC 1
MIC 2
12AX7
½ 12AU7
EZ80/6V4
REMOTE CONTROL
TERMINAL FOR ADDITIONAL MICS.
MIC 1 VOL. RP504B-H 500K
MIC 2 VOL. RP504B-H 500K
PROG. VOL. RP105AD 1 MEG.
PROG. SELECTOR X-0378
TUNER
PHONO
TAPE
LINE
SF 0308
RECORD
US-0091
RP-2058-J 2 MEG.
RP504B-H 500K
X-0379 MONITOR SWITCH
FRONT
REAR
OFF
M-0058
METER
RP105E 10K
MON. VOL. RPW20K 20K
LR-0245
KEY SWITCH X-0048
INT. MON. SPKR. (OPTIONAL)
US 0090
120V AC
1 AMP.
25 VAC.
190 VAC.
6.3V
245V.
175V.

NOTES:

1. ALL VOLTAGES ARE MEASURED TO GROUND WITH 20,000 OHMS PER VOLT METER, WITH NO SIGNAL.
2. INDICATES CONNECTION TO GROUND ⏚.
3. K = 1000
4. ALL RESISTORS ARE 1/2 WATT & HAVE A TOLERANCE OF ±10% UNLESS OTHERWISE SPECIFIED.
5. ALL CAPACITORS ARE RATED IN MICROFARADS, HAVE A TOLERANCE OF ±10% & A VOLTAGE RATING OF 600 VOLTS UNLESS OTHERWISE SPECIFIED.
6. "M" CONNECTION FOR CHANNEL "B" MIC 1, MIC 2.
7. VOLTAGES USING REMOTE CONTROL, MIC 2

	RC OFF	RC FULL ATTEN.
	W-80	145
	Y-.6	5.6
	Z-0	5.8

8. X-A CUT FOR CLOCK CONTROL TONE.
9. ARROW NEAR CONTROL INDICATES CLOCKWISE ROTATION.
10. [illegible]

1-2 = 120 V.A.C.
3 = B+ TO RINGING OSCILLATOR.
4 = AC TO PWR. AMP. THRU SWITCH.
5 = AC TO RINGING OSCILLATOR FOR TONE MODULATION
6 = NO CONNECTION
7-8 = TO RINGING OSCILLATOR [illegible] INPUT.
9 = [illegible]
10 = N[illegible]
11 = GROUND
12 = NO CONNECTION
13 = TO PWR. AMP. OUTPUT, HIGH SIDE.
14 = NO CONNECTION
15-16 = TO CHAN. B OUTPUT.
17-18 = TO CHAN. A OUTPUT.
19-20 = TO MONITOR SPEAKER. (EXTERNAL)

⊗ RESISTOR ADDED WHEN INTERNAL MON. IS USED.
☒ CUT WHEN RESISTOR IS ADDED.

FILAMENT CONNECTIONS FOR ADDITIONAL EQUIPMENT.

● B+ VOLTAGES APPROX 14% LOWER WHEN VC 2723 IS CONNECTED TO UNIT

MASTER CONTROL PANEL
MC500

RAULAND BORG CORP.
CHICAGO, ILL
MADE IN U.S.A.

Rauland

RAULAND-BORG CORPORATION

3535 W. Addison St., Chicago 18, Illinois

Rauland

MODEL SA51
POWER AMPLIFIER

Very low noise

Excellent Regulation

Low driving voltage

Low distortion

SPECIFICATIONS

RATED OUTPUT: 50 Watts.
GAIN: 82 db.
FREQUENCY RESPONSE: ±1 db from 20-30,000 cycles. ±0.5 db 6c-60KC
DISTORTION: less than 5% - 100-400-5,000 cycles @ 50Watts. IM <.5% @ 50W
INPUT IMPEDANCE: 500,000 ohms - single ended input 1,000,000 ohms - balanced line input.
LOAD IMPEDANCE: 6.25 ohm and 12.5 ohms (25 Volts).
INPUT LEVEL: .4 volts single ended input .8 Volts push pull or balanced.
NOISE LEVEL: 85 db below rated output. -90 db @ 60W
REGULATION: within 1.5 db 100-5,000 cycles, no load to full load.
POWER REQUIRED: 170 Watts at 120 V., 60 cycles.
EXTERNAL POWER AVAILABLE: 450 V. D C. at 10 M A.; 6.3 V.A C. at 3 amp.
FUSE: 3 AG, 5 Amp.
TUBES: 2-12AX7, 2-6CA7, 1-5V3, 1-JR-0027 Rectifier.
DIMENSIONS: 5-1/4" high, 7" deep, 19" panel.
WEIGHT: 18 lbs.
FINISH: Pearl Gray enamel.
TERMINATIONS: Polarized Plug-in.

What is power response: ±1db @ 60W
<1% IMD @ 20-20k

DESCRIPTION

The Model SA51 is the product of Rauland's many years of experience in designing and building quality sound equipment. It is an exceptionally clean amplifier, with unusually low noise or hum level and excellent regulation. It is well suited for commercial or institutional work, and is regularly used in Rauland Central Sound Systems. With its low noise level it is ideal for locations with a low ambient noise, such as Churches, Chapels, quiet offices, or dining rooms, etc.

This amplifier may be used with either a one side grounded input or a balanced, push pull input.
Fixed bias is employed in the output stage providing maximum output at minimum distortion. A hum balance pot is used so that adjustment may be made for minimum hum at time of installation. The model SA51 is provided with plug-in facilities and input and output connections are made with polarized plugs and receptacles. This Rauland "exclusive" permits easy removal or changing of panels, and simplifies additions to the system at any future time. Tubes and line fuse are mounted on the rear of the panel and all components are accessible by removing the front panel. Thus the chassis may be serviced without removing from the console.

Model SA51 is compact, requiring only 5-1/4" of panel space, a standard E.I.A. dimension.

4

ENGINEERING SPECIFICATIONS

The Amplifier shall be a Rauland Model SA51 or approved equal. It shall have an output of 50 watts, and at rated output the frequency response shall be within ±1 db from 20 to 30,000 cycles, and the distortion shall be less than 5% measured at 100-400-5000 cycles. It shall produce its rated output with an input signal of .4 volts when used in a single ended input circuit, and .8 volts when used in push pull or balanced input circuit. Noise level shall be at least 85 db below rated output. Output regulation from no load to full load shall not exceed 1.5 db from 100-5000 cycles.

The output stage shall use fixed bias. A hum balance pot shall be employed for adjustment at time of installation. Output impedances of 6.25 ohm and 12.5 ohms (25 volts) shall be provided. It shall provide 450 volts D C. at 10 ma and 6.3 volts at 3 amperes for external pre amp. All connections to this amplifier shall be plug-in using polarized plugs and receptacles. It shall be designed to permit replacement of tubes from the rear, access to components and servicing without removal from the rack.

The amplifier shall operate satisfactorily at 120v-60 cycles and shall consume no more than 170 watts at full output. It shall be adequately fused. It shall be contained in a panel requiring no more than 5-1/4" (EIA Standard) of rack space.

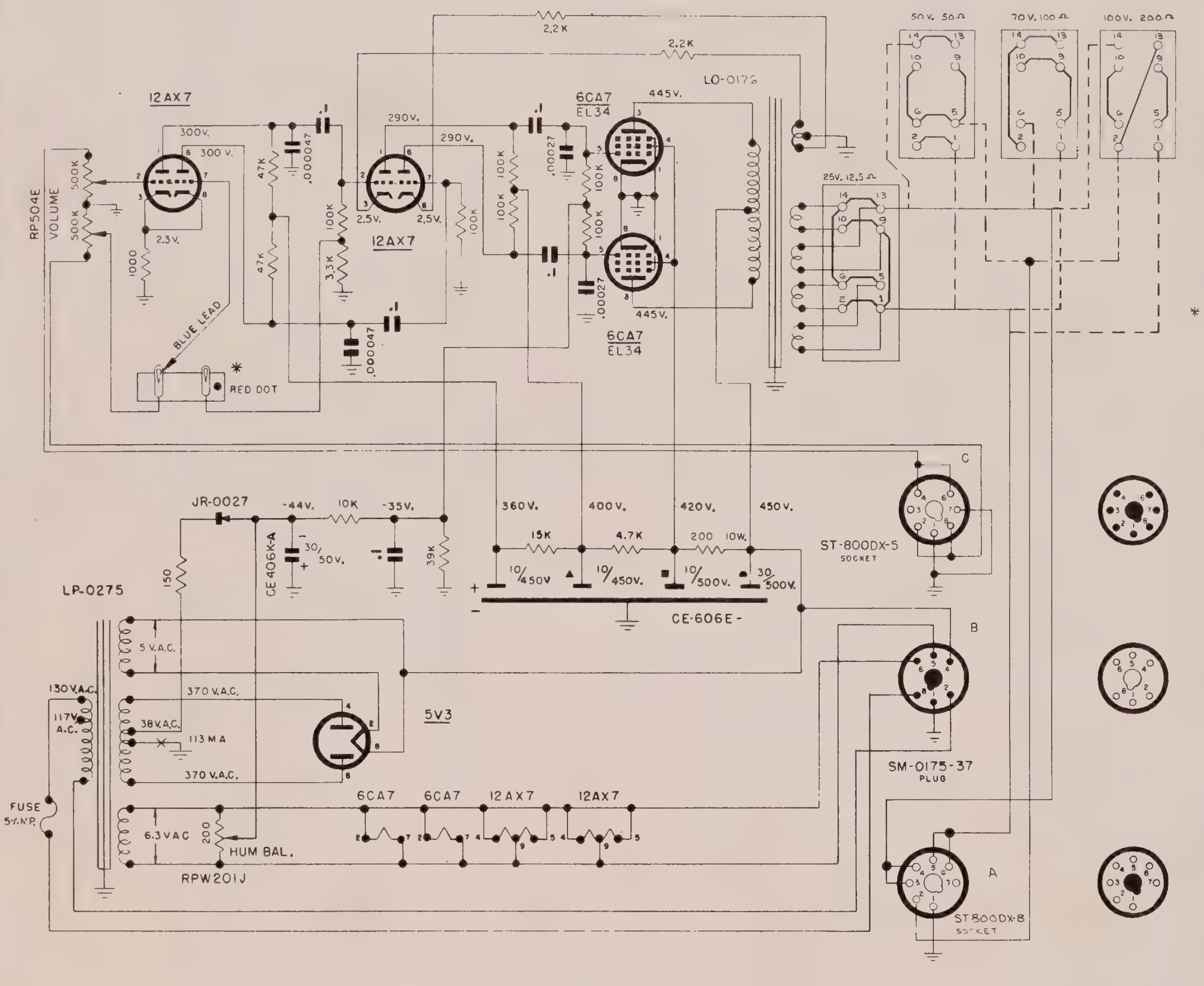
Finish shall be Pearl Gray baked enamel with a wear resistant transparent coating baked on after silk screening. The amplifier shall be listed by the Underwriters Laboratories Re-examination Service.

Rauland

RAULAND-BORG CORPORATION

3535 W. Addison St., Chicago 18, Illinois

MODEL SA51
POWER AMPLIFIER


12AX7
12AX7
6CA7
EL34
6CA7
EL34
LO-0172
2.2K
2.2K
300V.
300 V.
290V.
290V.
445V.
445V.
2.5V.
2.5V.
2.3V.
500K
500K
VOLUME
RP504E
1000
47K
47K
3.3K
100K
100K
100K
100K
100K
100K
100K
.000047
.000047
.00027
.00027
.1
BLUE LEAD
RED DOT
50V. 50Ω
70V. 100Ω
100V. 200Ω
25V. 12.5Ω
JR-0027
-44V.
10K
-35V.
360V.
400V.
420V.
450V.
15K
4.7K
200
10W.
10/450V
10/450V.
10/500V.
30/500V.
30/50V.
CE406K-A
39K
150
CE-606E-
LP-0275
5 V.A.C.
130V.A.C.
117V. A.C.
370 V.A.C.
38V.A.C.
113 MA
370 V.A.C.
5V3
FUSE 5 AMP.
6.3VAC
200
HUM BAL.
RPW201J
6CA7
6CA7
12AX7
12AX7
C
ST-800DX-5 SOCKET
B
SM-0175-37 PLUG
A
ST800DX-8 SOCKET

NOTES:

1. ALL VOLTAGES ARE MEASURED TO GROUND WITH 20,000 OHMS PER VOLT METER WITH NO SIGNAL.
2. ⏚ INDICATES CONNECTION TO GROUND.
3. K=1000
4. ALL RESISTORS ARE 1/2 WATT, MEASURED IN OHMS AND HAVE A TOLERANCE OF ±10% UNLESS OTHERWISE SPECIFIED.
5. ALL CAPACITORS ARE RATED IN MICROFARADS, HAVE A TOLERANCE OF ±10% & A VOLTAGE RATING OF 600V. UNLESS OTHERWISE SPECIFIED.
6. PINS 4 & 6, 2 & 8 ON SOCKET "C" ARE BAL. INPUTS TO SA51. PIN 1 & 7 ARE GROUND. SEE NOTE 8 ALSO.
7. 130V.A.C., 60 C.P.S. CONNECTS TO TERMINALS 2 & 8 OF PLUG "B", PINS 4 TO 1 450 VOLTS "B", PINS 5 & 6 SUPPLY 6.3V.A.C.

* 8. BLUE LEAD CONNECTED AS SHOWN FOR BALANCED LINE INPUT. CONNECT TO RED LUG FOR INPUT WITH ONE SIDE GROUNDED (PINS 1 & 4, SOCKET C). GROUND LEAD ON TIE LUG VACATED, WHICH CONNECTS TO CONTROL RP-504E.

9. ON SOCKET "A" PIN 1 IS GROUND, PINS 3,4 AND 5,6 ARE OUTPUT. PIN 2 IS FOR CENTER TAP OF 50V. & 100 V. CONNECTIONS.
25 V. CONNECTIONS SHOWN SOLID LINES. 50V., 70V. AND 100V. CONNECTIONS SHOWN DOTTED.

POWER AMPLIFIER
SA51A
RAULAND-BORG CORP.
CHICAGO, ILL.
MADE IN U.S.A.

KC-0554 ☐

RAULAND-BORG CORPORATION
3535 W. Addison St., Chicago 18, Illinois

Rauland

PB200
PB400
CHANNEL B PROGRAM

Economical expansion of facilities

CHANNEL B
PB 200
CHANNEL B
PB 400

Provides "B" Channel

Program flexibility

SPECIFICATIONS

FUNCTION: Provide input controls for the Channel B.
RATED OUTPUT: 1.73 volts with input voltage of 0.004 on microphone inputs, 0.2 volts on high level inputs, used in conjunction with master control panels.
FREQUENCY RESPONSE: ±1 db from 30-15,000 cycles.
DISTORTION: less than 1.5% from 70-10,000 cycles.
INPUT IMPEDANCE: High imp. microphone inputs. (Low imp. optional).
NOISE LEVEL: Auxiliary at least 60 db below rated output.
Microphone at least 50 db below rated output.
POWER REQUIRED: 120V. DC at 3 ma; 6.3 volts at 0.3A.
TUBE: 1-12AU7.
DIMENSIONS: 19" panel, 1-3/4" high, (EIA Standard) 5" deep.
TERMINATIONS: Receptacles and leads.
ASSOCIATED EQUIPMENT; Requires connections to MC100-MC600. Also works with MA200-600.

3

DESCRIPTION

These panels are designed to use with the MC100-MC400 Master Control Panels and the MA200 series Microphone Input Panel, to provide input controls for Channel B.

The PB200 has volume controls for two microphones, the PB400 has four. Each have separate bass and treble controls, program volume control and a ten input selector switch paralleling the same switches on the Master Control Panel. Adding one of these panels with an additional power amplifier provides a second 32 watt (or 50 watt) program channel. A voltage amplifier is included in the panel, and it is assembled and wired, but several internal connections must be made to the MC400 and MA200. Knobs are color coded green for Channel B.

Additional microphone facilities may be added at any time, in multiples of two, with practically no limitation.

Preselection of this channel is provided on the Master Switch Panel.

ENGINEERING SPECIFICATIONS

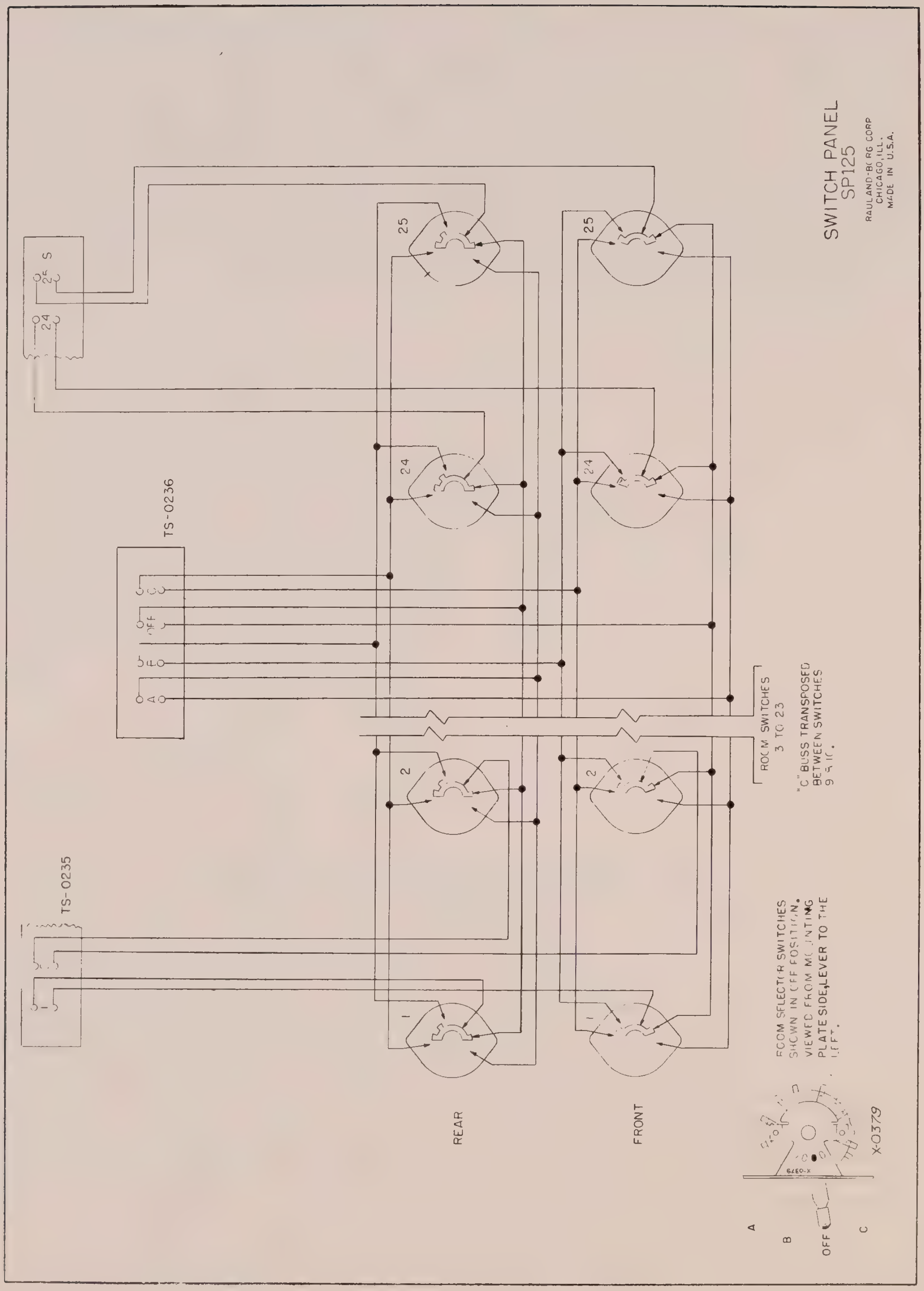
The third or "B" channel shall be provided by a program panel, Rauland (PB200) (PB400) or equal which operates in conjunction with the (MC400) and (MA200). It shall have controls for (2) (4) microphone inputs which can be mixed with any one of the ten high level inputs, for tuner, phono, tape, room program and five auxiliary inputs. It shall be possible to convert all microphone inputs to low impedance by the use of plug-in transformers. Controls shall include (2) (4) microphone volume controls, a ten-input selector, program volume control, separate bass and treble controls, and there shall be an AC pilot light and a jack for recording or playback on the front of the panel. Knobs shall be color coded green to identify them with Channel B.

The microphones 1, 2, (3, 4) on Channel "B" shall operate through the preamplifiers in the master control panel. The "B" program panel shall have an output of at least 1.73 volts at not over 1.5% distortion from 70-10,000 cycles, with an input voltage of 0.004 volts on microphone inputs, and 0.2 volts on high level inputs. The noise level shall be at least 50 db and 60 db respectively, at rated output. Frequency response shall be within ±1 db from 30-15,000 cycles. Bass control shall attenuate at least 12 db at 40 cycles and the treble control at least 16 db at 10,000 cycles.

The panel shall be not over 1-3/4" high and shall be Pearl Gray baked enamel with a wear resistant transparent coating baked on after silk screening. It shall be listed by the Underwriters Laboratories Re-examin ation service.

SP125
SPEAKER SELECTOR PANEL

Rauland


SWITCH PANEL
SP125
RAULAND-BORG CORP
CHICAGO, ILL.
MADE IN U.S.A.
25
S
24
TS-0236
C
OFF
B
A
ROOM SWITCHES
3 TO 23
"C" BUSS TRANSPOSED BETWEEN SWITCHES 9 & 10.
2
1
TS-0235
ROOM SELECTOR SWITCHES SHOWN IN OFF POSITION. VIEWED FROM MOUNTING PLATE SIDE, LEVER TO THE LEFT.
REAR
FRONT
X-0379
A
B
OFF
C

Programming, 1963

	Mon.*	Tues.	Wed.*	Thurs.*	Fri.*	Sat.	Sun
6:15	Drane	Drane	Drane	Denton	Drane		6:00 (Meeks will tell at start of semes.) ↓
6:30	Carson Strieb ↓	[illegible] ?	Leader	Patterson* T-L Tapes (alt. weeks)	Kimesera		↓
7:00	↓	Hsu, Liem, + Lawrence	Mattick ↓	Balber ↓	Walker		↓
7:30	Cobbs	Bell ↓	↓	~~Schaffel~~ ↓	Hipkens		Levin + de Schwitz will fill
8:00	Singer*	↓	Schacter	* ~~Schaffel~~	Spanier, Yelin, Lowes, Zakon, + Stech.*		Demar ↓
8:30	~~Hubbard~~* ↓	Moore ↓	Johanson ↓	~~Bardack~~* [illegible] ↓	Schauman + Thomas ↓		↓
10:00	↓	↓	↓	↓	↓	Morris	(to close)
11:00	Becker	White	"Mako"*	?	Hurrah!*	Crooks	

May Day tape -
Miss McBride

College Night

Freshman Week
Custom Week

Friday.
Saturday
M

Rats mass

Mailing letters signing
posting on board

Spectrum (morning show)
7:30 - 8 am

Card Cain =

Comm. Social Act.

Campus News

2nd week
Sep. 3 - 7

Sun. 7:20 p.m.
7:15 ride.
Wed. Open House after dinner

Programming Fall Semester, 1964

	Mon	Tues.	Wed.	Thurs	Fri.	Sat.	Sun.
7:30 am	Duncan Thomas Randy White	Bob Wismer et al Terry [illegible]	←	Geo. Bell (T) Bob Singley Bill Shauman [illegible]	Jeff Crooks Tom Inui Lois Portnoy		
9 am	↓	↓		↓	↓		
6:30	The Conservatives [Leader, Blair, Murray, Reinhardt et al.] (R+R)	Joe Rivers + Jon Hubbell (folk)	Andy Balber + Tim Loose "Doodlin'" (jazz)	Mark ~~Widdow~~ WHIDDEN (pops)			
7:00	↓	↓	↓	↓			
7:30	Jesse Sigelman (German songs)	Anna Ciarochi (swing - easy)	Mel Strick + Diane Stein (20th century Great Music)	Ron Schwartz (pops)			7:30 "Soap Opera"
8:00	George Bell "The Music Room"	↓	↓	Chuck Hull + Jona Williams (R+R)			[illegible]
8:30	↓	Rick Brady [ON Tape] "Fred"	John Cobbs ("gross") "The Aristocrats"	↓			
9:00	Eleanor Midiff Lynne Thomas [illegible]	Bill Yalon (Great)	Warren Thomas (Great)	Fred Johanson (Great)		10:00 BILL BECKER	
11:00	Ken Gregg (Easy Chair)	Pamela Gould (jazz + show)	"Randy White + all that jazz"	Mako Yamanouchi (Easy Chair)	~10:00 (End of Movie) Steve Laffey (Easy Chair)	↓ "THE VELVET TOUCH"	
12:00	↓	↓	↓	↓	↓ 1:00 (or other)	(3:30 ON FESTIVE WEEKENDS) ↓	

ROCKEFELLER

JUDY	SCHAFFELL	65	[illegible]	[illegible]	[illegible]	
MARY	MARSHALL	67	[illegible]	[illegible]	[illegible]	[illegible]
[illegible]	[illegible]	[illegible]				[illegible]

Spring Semester, 1964

MERION

ELLEN PATTERSON	66	THUR	1:30 ~ [illegible]	FACULTY [illegible]

o.	[illegible]	Beth [illegible]	66	Special [illegible]
	[illegible]	Mary Marshall ?	67	
		~~[illegible]~~	6[illegible]	
	[illegible]	~~[illegible]~~	6[illegible]	
o	[illegible]	Connie [illegible]	65	Technical
o	[illegible]	~~[illegible]~~	64	
o	[illegible]	[illegible]	6[illegible]	
	[illegible]	[illegible] ?	66	
o	[illegible]	Libby Smith	66	Publicity
		Karen [illegible] ?	67	
		~~[illegible]~~	65	
		[illegible] ?	68	
		[illegible]	66	[illegible]
		Nancy [illegible]	64	
		[illegible]	66	
		Lynn Thomas	65	} med 8:30 · //
o		[illegible]	65	} [illegible]
		Mark	66	[illegible]
		Cathy		
		[illegible]		

ELM E. W.

VALERIE WINSTON	65			FURLOUGH (Hosp)
DABNEY HARREST	8			[illegible]

o.	23.	Patty Haines	66	Special Search
	[illegible]	Mary Marshall ?	65	
		~~[illegible]~~		
	3rd	~~[illegible]~~	6	
o	[illegible]	Connie [illegible]	65	Technical
ø	[illegible]	~~[illegible]~~	65	
o	[illegible]	[illegible]	64	
	[illegible]	[illegible] ?	61	
o	[illegible]	Calla [illegible]	61	Technical
		Karen [illegible] ?	64	
		~~[illegible]~~	75	
		[illegible] ?	65	
		Calla Partin	11	(RA)
		Nancy Gaist	66	
		Joyce Thompson	6	
		Lynn Thomas	65	} med 8 [illegible] - 11
o		[illegible]	65	} [illegible] [illegible] [illegible] [illegible] [illegible] Supervisor
		Mat[illegible]	6	
		Cabbe[illegible]		
		[illegible]		

DEAR 67

EMILY BARDACK 65	8:30 —	GREAT MUSIC	
CONNIE MAXWELL 65			TECHNICAL

o.	[illegible]	Patty [illegible]	66	Special Events
	[illegible]	Mary Marshall ?	65	
		~~[illegible]~~	6[illegible]	
	[illegible]	~~[illegible]~~	6[illegible]	
o	[illegible]	Connie Maxwell	65	Technical
ø	[illegible]	~~[illegible]~~	6[illegible]	
o	[illegible]	[illegible] Berg	66	
	[illegible]	[illegible] ?	65	
o	[illegible]	Bobbie [illegible]	66	Publicity
		Karen [illegible] ?	67	
		~~[illegible]~~	65	
		Val [illegible] ?	66	
		[illegible]	66	[illegible]
		Nancy [illegible]	66	
		[illegible] Thompson	66	
		Lynn Thomas	65	} meet 8:30 - 11
o		[illegible]	65	[illegible] [illegible] [illegible] [illegible]
		[illegible]	6[illegible]	
		[illegible]		
		[illegible]		

BATTEN HOUSE

JEANNE TRUPECK	66				TECHNICAL

o. [illegible] | Patty [illegible] 66 Special Events
[illegible] | Mary Marshall ? 67
~~[illegible]~~ 66
[illegible] | ~~[illegible] Mickey~~ 66

o [illegible] | Connie N[illegible] 65 Technical
[illegible] | ~~[illegible]~~ 65
o [illegible] | June Berry 66
[illegible] | Jeanne Trubeck ? 66

o [illegible] | Cable [illegible] 66 [illegible]
Karen K[illegible] ? 67
~~[illegible]~~ 65
Val [illegible] ? 65

Cable D[illegible] 65 (b)
Tracy Grant 66
Myra [illegible] 66
Lynn Thomas 65 } med 8:30 - 11
o [illegible] 65 } [illegible] [illegible]
Mak 66
Cabl
Patt

RADNOR

TOLLIE DRANE	66	M, T, W, E	TAPE	SAMPLE BOOK	
JOANNE McCLUGEN	64				SPECIAL EVENTS
TERRY PRESTON	64				TECHNICAL

0.	[illegible]	[illegible]	66	Special Events
	[illegible]	Mary Marshall ?	67	
		~~[illegible]~~	6[illegible]	
	[illegible]	~~[illegible]~~	6[illegible]	
0	[illegible]	[illegible]	65	Technical
0	[illegible]	~~[illegible]~~	6[illegible]	
0	[illegible]	[illegible]	66	
	[illegible]	[illegible] ?	6[illegible]	
0	[illegible]	Cable [illegible]	66	[illegible]
		Karen Keller ?	67	
		~~[illegible]~~	65	
		Val [illegible] ?	65	
		[illegible]	65	[illegible]
		[illegible]	64	
		[illegible]	66	
		Lynn Thomas	65	} [illegible] 8 [illegible] //
0		[illegible]	65	[illegible]
		[illegible]	66	
		[illegible]		
		[illegible]		

MONA SINGER	65	MON	8 ~ 8:30	BLEND	PUBLICITY (HELP)
PAT HUBBARD	67	THUR	8:30 ~ 11	GREAT MUSIC	
SUSAN HURRAH	67	THUR	11 ~ 1	EASY CHAIR	
LOUISE VELIN	67	FRI	8 ~ 8:30	FOLK	
GILL LOWES	67		"		
BONNIE SPANIER	67		"		
JOAN ZAKON	67				
TAMMY STECH	67				
MAKO	66	WED			
CABBS DENTON	66	THUR	TAPE	CAMPUS NEWS	PUBLICITY , IBM
KAREN KOBLER	67				"
PATTY BAUER	66				SPECIAL EVENTS
JUNE BOEY	66				TECHNICAL
NANCY GEIST	66				IBM
MYRA MAYMAN	66				IBM
ELEANOR MIDKIFF	65				GREAT MUSIC RECORD L.

o [illegible] [illegible] [illegible] Special Events

[illegible] Mary Marshall ? 67

~~[illegible]~~ [illegible]

[illegible] ~~[illegible]~~ [illegible]

o [illegible] [illegible] [illegible] Technical

o [illegible] ~~[illegible]~~ [illegible]

o [illegible] [illegible] [illegible]

[illegible] [illegible] ? [illegible]

o [illegible] [illegible] [illegible] Publicity

Karen Kobler ? 67

~~[illegible]~~ [illegible]

[illegible] ? [illegible]

Cabbs Denton [illegible] IBM

Nancy Geist 66

[illegible] [illegible]

Lynn Thomas 65 } Wed. 8:30 - 11

o [illegible] Midkiff 65 WHRC Board Great Music Record

Mako 66 " Engineer

[illegible] "

[illegible]

Spring Semester 1964

Dan	~~[illegible]~~	65	Grand [illegible]	[illegible]
[illegible]	Ellen Patterson ?	66	[illegible]	Thur [illegible]
[illegible]	Trudie Dean ?	61	Company [illegible]	[illegible]
[illegible]	~~[illegible]~~	65	Blend	[illegible]
	Pat Hubbard ?	67	[illegible] Theme	Thur [illegible]
o	[illegible]	67	[illegible]	Thur [illegible]
	[illegible]	67		Fri [illegible]
	Bill [illegible]		Folk	
	Bonnie [illegible]			
	Jean [illegible]			
	Tommy [illegible]			
	[illegible]	66	[illegible]	
o	[illegible]	66	[illegible] Theme	[illegible]
[illegible]	[illegible] ?	65	[illegible]	[illegible]
	Mary Marshall ?		"	
o. [illegible]	[illegible]	66	[illegible]	
[illegible]	Mary Marshall ?	67		
	~~[illegible]~~	[illegible]		
[illegible]	~~[illegible]~~	[illegible]		
o [illegible]	[illegible]	65	Technical	
ø [illegible]	~~[illegible]~~	[illegible]		
o [illegible]	[illegible]	[illegible]		
[illegible]	[illegible] ?	[illegible]		
o [illegible]	[illegible]	66	[illegible]	
	[illegible] ?	67		
	~~[illegible]~~	[illegible]		
	[illegible] ?	[illegible]		
	[illegible]	[illegible]	[illegible]	
	[illegible]	[illegible]		
	[illegible]	[illegible]		
	Lynn Thomas	65	} next 8 [illegible]	
o	[illegible]	65	[illegible]	
	[illegible]	[illegible]	[illegible]	
	[illegible]			

Pam Gould	Wed. 10-10:59	Merion
Anna Ciarochi	Mon. 9 - 9:59	Radnor
Betsy Bielski	Mon 8:30 - 8:59	Merion
Andrea Marks	Tues 9 - 9:59	Pem E

Spring Semester 1965

programming starts 8th.

~~[illegible]~~

Frances Nelson	'68	Merion
Pam Gould	'66	"
Kitty [illegible]	'66	Butter
Sue Brown	'67	Denbigh
Diane Stein	'68	"
Barbara Wilk (?)	'68	Pem E.
Lois Portnoy	"	"
Andrea Marks		
Frankie [illegible]		Radnor
Sue [illegible]		Rhoads
Marcia Ringel		
Marianne Spiegel		
Liz Houston	"	

(Cobbs, Publicity + Treasury)

[illegible]

Andrea, Special Events (news campus) advice any time

[illegible]

Suggestions: [illegible] [illegible]

Special Events. Andrea Marks

Publicity. Marianne Beverly

Secretary.

contact Sue Borey

Spring semester 1965

George Bell	Station Manager	M12-3007
Program	Randy White	M19-9020
Business	Mel Strieb	M19-1836
Publicity	Bob Wismer	M1 9- ~~206~~ 0638
Special Events	Dick [illegible]	M19- ~~[illegible]~~ 1836
Board	Keith Tunnell	
Classical Program	Duncan Thomas	9-9020
Chief Engineer	Frank Ramsey	
Secretary	Stu Jolly	M19-9020
Tech	Randy or George	
News Dept.	Joe Rivers	M19-9020

WHRC — M19-1200

[illegible]

2/28/65 Meeting : 7:40.

Duncan Thomas: Ex. class. music. Ⓝ

Practice ideas — 11:00 P.M. class. music time. (after news) Special music programs.

3/7 Orchestra concert BMC - HRC - MIT.
7 - end.

Press quality.
News Staff!! 11:00 news (sports wrap-up on Sunday evenings).

24 hour service.

Get staff list.
Get member lists.

ADV.
NEED 4 GIRLS AT BRYN MAWR
PW MER. DEN. ROCK.

Keep posters up - get in dorm enough.

Technical situation good.
Needs Transm. Due soon.

Chief Engineer - Frank Ramsey.
Pamper microphones
Keep distance standard.
Turn mike switch gently.
Don't punch mike.

← watch VU meters

careful of records.
Hold by edge, label.
keep 'em clean.

Work on signals for Engineers

Talk over records.

Engineering should be efficient, so should announcing.

"Smile"

"Speak through the wall." project.

Randy: really campaign for the radio.
Keep up listeners — hook 'em.

Good show : planning — content (records, announcing)

NO COMMERCIALS.

Block programming - same time each night for type of music -

Campus
International
National

News Announcements (Good coverage).

Weather

67 Staff active members.
Required listening 101 music.

WDVR →

Spectrum 7:30 - 9:20
News 15 before + after hour.
Weather
Announcements
Lively "wakeup" music.
Needed: 7:30-8:30 T, F personnel.
8:30-9:30 M

Steam - on tapes
(Station breaks, themes)
etc

Everybody bring up show themes, put in special section in library, label with name of show + ~~song~~ theme (side + band) for tapes.

Advanced program - classical broadway shows programmed 2 weeks in advance

Complete schedule this week for all Bryn Mawr - Haverford students.

Try to keep station neat!

Keith taking orders
for records — labels,
names, artists.

Stress!! → Quality
→ Audience.
Keep involved with shows.

93 Lloyd

2:03

George Bell presiding.

Program Monday 9:30 a.m. 24 hours a day.

640 new frequency for Haverford.

Tech going well

New trans. in Radnor installed okay. ~~Good~~

" " " new dorm as soon as phone co. gets going.

Mel Streib $85.67 less of bills.
plea to Council for more money

B.M.C. budget botched.
Check bulletin board for announcements.
Better staff communication.

Dept. Reports

Publ. Who? 8-Bm. 5-H.
Winner
Posters
What. Papers (calendar form).
Hall Announcements
Budget: $35 — $50

Clark Special Events: ✓ Winner election
2 people
interviews etc.
Sports? Announcer.
Swarthmore game?
(News Staff — Sports dept.
in conjunction.

Sports attracts listeners. Concerts-Winner

Class: 10 staff
3 Br.
Extensive.
Concerts covered.
Recitals by students!

Lectures - Concerts by music faculty a possibility.

Ramsey - policies on Engineering
shutdown engineering for engineers to
get professional sound.

Keith Rundell - new records

Randy White - Advan. Prog. by Friday.
Shows for next two weeks.

fill in Spectrum staff!
Begin Monday.

News Director
source of news.

(Another box in Taylor for WSMC)

General class in A. Ed. promotions.

Logs start this week.

Show planning.
Test them (records) have them there.
Publicity over the air. (mat. from Bob)
Staff 15 minutes early to start

2 New sections
"popular" section
Comedy Albums

Rides - 1-3 trips a week.

Quality!! Randy insists on it.

Richard H. Crompton
LOW POWER BROADCAST EQUIPMENT
248 SWEDESFORD ROAD
MALVERN, PENNSYLVANIA

INVOICE NO. № 395

SOLD TO
Sue Nosco, Treas.,
WHRC
Bryn Mawr College,
Bryn Mawr, Penna.

INVOICE DATE Sept. 24, 1965

SHIPPED TO Picked up by
George R. Bell

OUR ORDER NO.	YOUR ORDER NO.	SALESMAN	TERMS	SHIPPED VIA	PPD. OR COLL.
448			cash on delivery	picked up	

QUANTITY	DESCRIPTION	PRICE	AMOUNT
1	RC-25A college radio transmitter for 640 kcs, complete and tested, with Instruction Manual,		$250.00
1	Mark III college radio transmitter for 640 kcs, complete and tested, with Instruction Manual,		125.00
1	RC-T3A Coupling Unit,		15.00
			$390.00

NO DISCOUNTS ALLOWED
ON ORDERS RECEIVED
AFTER MAY 1, 1965

Estimated Budget - WBMC - Spring 1966--Spring 1967

Maintenance	$ 50
Transportation	50
Records	50
Publicity	50
Equipment	
Three matching units for Pem E & W	75
Telephone Loop rental	200
Total	$475

Susan C. Nosco = Treasurer

Announcements Moor
put in box

Pem West	Susan Kottler	'68	
Radnor	Debby Nedelman	'69	
Rhoads	Diane Ostheim	'68	
Pem West	Lisa Neufeld	'69	
Rhoads	Rena Levine	'69	show music piano music } either easy classical
Pem West	Mary Schrom	'69	
Radnor	Henley Portner	'69	engineering
Rhoads	Nancy McDaniel	'69	publicity and/or building equipment
Pembroke West	Charlotte Porter	1969 - publicity	?
Radnor	Ellen Sterns	'69	
Pembroke West	Ann Gerber	'69	
Radnor	anna stefanelli	'69	show music, news, or rock + roll?
Radnor	Paula Goodman	'69	news/musical? [illegible]
Pem West	Margaret Shepard	'69	news? readings? Every-thing.
Radnor	Carol Reusche	'69	classical
Erdman	Elizabeth Margosches	'69	classical
Erdman	Andrea Marks	'69	show
Denbigh	Anne McChristian	69	rock show

B1 Radnor lounge

Charles L. Hedrick
Station Manager
WHRC
Haverford College Radio
8130 Kugler Mill Rd.
Cincinnati, Ohio 4523

8 June 1968

Mr. C.W.Smith
Comptroller
Haverford College
Haverford, Pa. 19041

Dear sir:

Toward the end of the last school year, Tom Spray, the Council treasurer, told me of a conversation in which you had expressed a reluctance to put any further money into the present WHRC studios. He therefore asked me whether WHRC would be willing to move into new quarters in the basement of the dining center, and if so, to give him and you an estimate of the cost of any new equipment necessary for the move. I have given considerable thought to this question. After hearing from several manufacturers about the equipment necessary for the studio, I have prepared the following comments. I do not, of course, intend this to be my final word. I have not yet talked in any detail with the other members of our staff, and there are still several questions in my mind about technical details. However, it should give you an idea of what is involved if you go ahead with this project. The proposal consists of two sheets of paper, a suggested floor-plan and a list of recommended new equipment. Following theses are my detailed comments.

Please feel free to write me if you want any more information or have any suggestions. I am prepared to ask members of the WHRC staff for their comments and some of the manufacturers for more exact information, but I thought I would leave these steps until I had some indication from you that you were satisfied with my general approach and wanted to persue it further.

Yours truly,

Charles L. Hedrick,
Station Manager

cc: Tom Spray

WHRC
Haverford College
Haverford, Pa. 19041

1968-1969 EXPENDITURES TO OCTOBER 28, 1968

DATE	ITEM	AMOUNT	
9-13	KASS ELECTRONICS	$ 15.45	
9-13	BELL TELEPHONE COMPANY	8.38	
9-14	LOW POWER BROADCAST EQUIPMENT COMPANY	516.55	
9-20	CREDIT BRYN MAWR COLLEGE	60.00	+
9-24	RECORD SOURCE INTERNATIONAL	16.50	
9-24	CREDIT BRYN MAWR COLLEGE	25.00	+
9-24	LOW POWER BROADCAST EQUIPMENT COMPANY	60.00	
9-28	BELL TELEPHONE COMPANY	53.83	
9-28	CHARLES L. HEDRICK	15.64	
10-08	BILLBOARD MAGAZINE	10.00	
10-16	RESCO (POWER SUPPLY REPAIRS)	4.85	
10-17	BELL TELEPHONE COMPANY	10.00	
10-21	RECORD SOURCE INTERNATIONAL	1.65	
10-28	RESCO ELECTRONICS	.24	

SUB-TOTAL	713.09
MINUS CR.	85.00
GRAND TOTAL:	628.09

NOTE: MIDWAY 9-1200 (STUDIO 'PHONE) SHOULD BE RETAINED A) TO CONDUCT BUSINESS AND B) TO RETAIN THE NUMBER FOR FUTURE USE.

ANTICIPATED COST WOULD BE $180.00 FOR THE CALENDAR YEAR.

GRAND GRAND TOTAL:	808.09

HARRIS
INTERTYPE
CORPORATION

GATES RADIO COMPANY
A SUBSIDIARY OF HARRIS-INTERTYPE CORPORATION
123 HAMPSHIRE STREET • QUINCY, ILLINOIS 62301 • 217-222-8202

November 20, 1968

Mr. Charles L. Hedrick
Station Manager
Radio Station WHRC
Haverford College
Haverford, Pennsylvania 19041

Dear Mr. Hedrick:

Your recent letter to Brian Cox was forwarded to me and I am taking this opportunity to answer. Brian was recently promoted into another position within the company, and I am presently handling his former functions.

Enclosed you will find, on our Proposal and Acceptance form, a list of equipment which I feel will probably fit your requirements. As you will note, I have included several small items such as warning lights, audio cable, and other miscellaneous items. You may or may not need these items, but I would hate to have them overlooked. I hope this list meets with your approval.

I have a few comments on the equipment proposed. As you will note, several of the items, particularly the Ambassador console, have increased in price. This is the result of a general price increase in the last few months. I have, however, come up with a few ideas on ways to save money, price increase not withstanding. In place of the RCA preamplifiers, I strongly suggest the use of the Gates M-6244 preamp. This preamplifier meets or exceeds all of the RCA specifications except the price is approximately $30.00 less. I have included two M-6108 monitor amplifiers. It would be possible to set the station up without either of these, but I have included them for the increased efficiency of operation and refinement of the installation. One will be used as a monitor amplifier for the library studio monitor system. The Ambassador console monitor amplifier could be used, however, with three monitor speakers attached to the output, each speaker would be limited to approximately 3 watts. The addition of this M-6108 amplifier gives the monitor system in the library a full 8 watt capability. The second

M-6108 is intended for use with a single turntable in the library to provide the record preview function which you asked for. From your list, I have deleted the two M-6424 intercom speakers. In its place, I have added two 8" speakers with baffles and matching transformers. The M-6424 is nothing more than a small speaker with matching transformer enclosed in a very expensive casting. I think you will agree, that for your installation, the cost of this casting is not justified.

If I may be of any further assistance, please feel free to contact me. We are looking forward to your order.

Sincerely,

D. A. Roberts sp

D. A. Roberts
Audio Products Specialist

sp
enc.

GATES RADIO COMPANY
A division of Harris-Intertype Corporation
QUINCY, ILLINOIS 62301
Tel. (Area Code 217) 222-8200

Page 1
Contract No. DR-11208
Date November 20, 1968

PROPOSAL AND ACCEPTANCE

FOR

HAVERFORD COLLEGE
RADIO STATION WHRC
HAVERFORD, PENNSYLVANIA 19041
ATTN: MR. CHARLES L. HEDRICK

We are pleased to present this Proposal to supply the apparatus as itemized and priced in the attached schedule for your consideration and acceptance.

GATES RADIO COMPANY
Prepared by:
D. A. Roberts
Name D. A. ROBERTS
Title AUDIO PRODUCTS SPECIALIST
Address
Phone

EQUIPMENT

ITEM NO.	QTY.	STOCK NO.	DESCRIPTION	UNIT PRICE	TOTAL
1	1	994-5564-003	Ambassador Console	2595.00	$2,595.00
2	1	994-6034-001	M-6034 Preamp	87.00	87.00
3	2	994-6482-001	M-6482 Relay Kit	19.50	19.50
4	2	994-6108-001	M-6108 Monitor Amp	150.00	300.00
5	3	994-6244-003	M-6244 Preamps	115.00	345.00
6	3	723-0236-000	Shure M44-7 Stereo Cartridge	19.95	59.85
7	5	478-0291-000	Speaker matching transformer 48/8 ohm	4.75	23.75
8	2	722-0800-000	GRS-800 8" Speaker	8.95	17.90
9	2	725-0011-000	DWB-8A Walnut wall baffle	6.00	12.00
10	3	406-0269-000	AM-4 "ON AIR" warning light	17.50	52.50
11	1000'	253-0059-000	Belden 8451 shielded audio cable - .06/ft., less 20% in 1000' spools		48.00
12	1	436-0054-000	611 Seth Thomas Clock-chrome	16.00	16.00
13	2	554-0227-000	8 ohm speaker "T" pad	5.90	11.80
14	2	723-0237-000	N-44-7 replacement stylus for M44-7 cartridge	9.75	19.50
			TOTAL..........		$3,607.80

HARRIS INTERTYPE CORPORATION **GATES**

Page 3

Contract No. DR-11208

SUMMARY

1. Summary of items:

Transmitting Equipment	$
Monitoring Equipment	$
Phasing Equipment & Accessories	$
Tower Equipment	$
FM Antenna Equipment	$
Program Automation Equipment	$
Studio Equipment	$ 3,607.80
Remote Control Equipment	$
Miscellaneous	$
Total Equipment	$ 3,607.80
EQUIPMENT PRICE	$
Tax (description)	$
Total, including tax	$
Trade in allowance on	$
Total Price, less trade in	$

2. Requested shipment schedule:

ITEM	ESTIMATED SHIPMENT DATE

3. Payment arrangements:

Cash with order	$
Cash due upon receipt of construction permit	$
Balance due	$

Payable as follows:

If the above provides for payment in deferred installments, purchaser authorizes seller, in acknowledging this order, to calculate and state in its acknowledgement, the balance remaining unpaid to seller under this contract, the total amount of the finance charge payable on said balance, computed at ____ % per annum, the time balance inclusive of finance charge payable by purchaser, and the amount of each of the ____ substantially equal and consecutive monthly installments, the first of which installments will be due 60 days after the anticipated date of shipment of the major item of equipment described herein, as determined by seller. All instruments on deferred transactions shall be executed prior to shipment.

ALL PRICES ARE NET, ARE F.O.B. MANUFACTURER'S SHIPPING POINT(S), AND ARE SUBJECT TO ADJUSTMENT AS HEREIN PROVIDED.

THE PROVISIONS OF THE REVERSE SIDE HEREOF ARE A PART OF THIS ORDER, AND UPON ACCEPTANCE OF THIS ORDER SHALL BE BINDING UPON SELLER AND PURCHASER.

This proposal consisting of pages numbered 1 to ___, inclusive, is hereby accepted this _____ day of __________, 19__.

(Purchaser's name, corporation or partnership)

(Signature of owner, partner or officer -- state which)

TERMS AND CONDITIONS

Acceptance:

This proposal and acceptance when signed by Purchaser shall constitute an order by Purchaser, which shall be deemed to be accepted by Seller when Seller mails to Purchaser its standard form of acknowledgment. Seller reserves the right in its acknowledgment to change prices and specifications herein to Seller's prices and specifications in effect on the date of the acknowledgment. If the prices or specifications in the acknowledgment differ from those herein, Purchaser may cancel this order by a written notice by certified mail to Seller within ten (10) days after receipt of the acknowledgment. In case of such cancellation, Seller shall refund to Purchaser all payments previously made on account of the purchase price, without interest. If a written notice is not received from Purchaser, as above provided, then such change shall be deemed to be accepted. The order together with the acknowledgment above mentioned shall constitute the entire contract between the parties, and shall be changed only by written agreement of the parties. The banking by Seller or other disposition of funds paid by Purchaser to Seller, shall not constitute acceptance of this order by Seller. The contract shall be governed by the laws of the State of Illinois.

Purchaser acknowledges receipt of a copy of this order as signed by it.

Price Protection:

Seller may adjust the price of any of the equipment covered by this order to Seller's list price in effect immediately prior to shipment except that, in the case of equipment manufactured by Seller, if (a) this order is accompanied by a down payment of at least 25 percent of the total price of the equipment described herein and shipment is made within 90 days after Seller's acceptance of this order, or, (b) this order is herein designated as contingent upon issuance of a construction permit by the Federal Communications Commission and is accompanied by a downpayment of at least 5 per cent of the total price of the equipment described herein and shipment is made within 6 months after Seller's acceptance of this order, no adjustment shall be made, other than as provided herein. If this order provides for deferred payment terms, Seller may increase, but by not more than one percentage point, the rate of finance charge provided herein to its rate of finance charge in effect immediately prior to shipment.

Contingent Orders:

If this order is herein designated as being contingent, Purchaser represents it has pending, or will file, with the F.C.C. an application for a construction permit. If such application as originaly filed, or as amended, is denied, revoked, or abandoned, Purchaser upon giving prompt written notice to that effect to Seller, may cancel this order with respect to any or all items unshipped at the date of Seller's receipt of said notice, whereupon Seller shall refund to Purchaser the payments theretofore made for such cancelled items after deducting charges for special or custom-built equipment. If a balance remains payable to Seller after deducting the price of such equipment, Purchaser shall pay said balance upon receipt of invoice from Seller.

Taxes:

Purchaser shall pay, or upon receipt of invoice from Seller, shall reimburse Seller for, all sales, use, occupation, gross income, excise, and other taxes or charges levied or imposed on Purchaser, or required to be collected by Seller, or imposed on the Equipment or on Seller resulting from this transaction or any part thereof.

Anticipation of Payments:

In the event that Purchaser elects to pay the unpaid balance of the cash purchase price in full on or before the 30th day after shipment, the finance charge shown on the face hereof will not apply. If not so paid, Purchaser, on the due date of any subsequent installment, may prepay unpaid installments in the inverse order of their maturity, in which event Purchaser will receive a credit against the remaining balance for the portion of the finance charge applicable to the installments so prepaid.

Insurance:

When requested by Seller, Purchaser shall furnish to Seller an insurance policy, in such company as Seller shall approve, on the Equipment, against fire and extended coverage perils in an amount equal to the full value of the Equipment, with loss first payable to Seller as its interests may appear. Purchaser shall maintain such insurance until full payment shall have been made to Seller, in default of which Seller may obtain the same at Purchaser's expense, for which Purchaser shall promptly reimburse Seller.

Delivery:

If Purchaser delays shipment, payments are to be made as though shipment had been made as specified and the Equipment shall be at Purchaser's risk and shall be stored by Seller at Purchaser's expense.

Seller's obligations hereunder are subject to delays incident to: labor difficulties; fires, casualties and accidents; acts of the elements; acts of the public enemy; component failures on test; transportation difficulties; inability to obtain equipment, materials or qualified labor sufficient to fill its orders, in which latter case Seller may apply or prorate shipments of its products to or among its customers as in its judgment is reasonable in the circumstances; governmental interference or regulations; and causes beyond Seller's control.

If shipment of any item is delayed for more than one year beyond the estimated shipping date specified herein, by reason of any of the foregoing, either party may terminate this contract as to any such items by written notice to the other whereupon Seller shall either (a) issue a credit to Purchaser's account hereunder in an amount equal to an equitable portion of the total contract price, without interest, or (b) if the total contract price has been paid, Seller shall refund to Purchaser an equitable portion thereof, without interest.

Installation:

Purchaser is responsible for installation and service of the Equipment including preparation and maintenance of all necessary facilities, employment of an adequate staff of technically qualified personnel and for the furnishing of any necessary equipment, materials or services not provided for herein.

Title and Remedies:

Until full payment of all obligations of Purchaser hereunder (whether represented by notes, open account, judgment, or otherwise), Seller reserves title to all of the Equipment furnished hereunder, whether or not the same is attached to the realty, and the same shall be considered as personal property.

If Purchaser defaults in paying or performing any of its obligations hereunder, Seller, with or without notice, may treat all amounts owing hereunder by Purchaser to be immediately due and payable and may repossess the equipment, and exercise such other or different remedies as are provided by applicable laws.

Unless payment in full is made by Purchaser prior to shipment, when requested by Seller, Purchaser shall execute, acknowledge and deliver to Seller, in Seller's usual form and upon the terms and conditions therein set forth, a conditional sales contract, chattel mortgage, security agreement, financing statement or other appropriate instrument as designated by Seller.

Warranty:

Seller warrants new equipment manufactured by Gates Radio Company against defects in material or workmanship at the time of delivery thereof, that develop under normal use within a period of one year (6 months on moving parts) from the date of shipment, of which Purchaser gives Seller prompt written notice. Other manufacturers' equipment, if any, including electron tubes, and towers, shall carry only such manufacturers' standard warranty.

Seller's sole responsibility for any breach of the foregoing provision of this contract, with respect to any equipment or parts not conforming to the warranty or the description herein contained, is at its option, (a) to repair or replace such equipment or parts upon the return thereof f.o.b. Seller's factory within the period aforesaid, or (b) to accept the return thereof f.o.b. Purchaser's point of installation, whereupon Seller shall either (1) issue a credit to Purchaser's account hereunder in an amount equal to an equitable portion of the total contract price, without interest, or (2) if the total contract price has been paid, refund to Purchaser an equitable portion thereof, without interest.

If the Equipment is described as used, it is sold as is and where is. If the contract covers equipment not owned by Seller at this date it is sold subject to Seller's acquisition of possession and title.

Seller assumes no responsibility for design characteristics of special equipment manufactured to specifications supplied by or on behalf of Purchaser.

Seller shall not be liable for any expense whether for repairs, replacements, material, service or otherwise, incurred by Purchaser or modifications made by Purchaser to the Equipment without prior written consent of Seller.

EXCEPT AS SET FORTH HEREIN, AND EXCEPT AS TO TITLE, THERE ARE NO WARRANTIES, OR ANY AFFIRMATIONS OF FACT OR PROMISES BY SELLER, WITH REFERENCE TO THE EQUIPMENT, OR TO MERCHANTABILITY, INFRINGEMENT, OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION OF THE EQUIPMENT ON THE FACE HEREOF.

Damages and Risk of Loss:

Purchaser assumes all responsibility for and risk of loss of, or damage to, the Equipment upon delivery at Seller's shipping point, notwithstanding the fact that Seller may have selected the carrier.

In no event shall Seller be liable under any provision of this contract for loss of business or of anticipated profits by Purchaser, outlays by Purchaser in anticipation of business, other incidental or consequential damages of any kind, or for damages on account of negligence.

Purchaser agrees to indemnify Seller against all claims, whether on account of negligence or otherwise, except those asserted by Seller's employees, arising out of or resulting from the erection, operation or use of the Equipment.

Tower, Antenna and Related Services:

Tower and antenna erection work, ground system installation, installation of concrete foundations and anchors, and services related thereto and provided for herein, will be performed by an independent contractor.

Seller shall let the contract for erection of any towers and antennas provided for herein to an independent contractor, who shall not be deemed to be an agent of Seller, and Purchaser agrees to supervise and direct such independent contractor in the performance of the work to assure compliance with all applicable specifications, restrictions, ordinances, laws and governmental regulations.

With respect to the erection of the tower, antenna and related services, Purchaser agrees that, (a) prior to shipment of such equipment, Purchaser will have obtained from the Federal Communications Commission, the Federal Aviation Agency, and any other governing bodies having jurisdiction thereof all necessary permits; (b) the site will be level, clear and free from obstructions and debris, and staked off prior to arrival of the tower erection crew; (c) the site shall not consist of marshy land, swamps, dumps, rocky soil, peat or frozen soil, and the soil conditions shall be normal and suitable; (d) suitable electrical power will be available for construction work and for testing; and (e) there shall be suitable access to the site by truck and other vehicles for the hauling of all necessary materials and equipment.

If, either before or after the erection crew has begun the work of erection, it is discovered that any of the conditions specified in (a) through (e) do not obtain, then the erection crew foreman in his discretion may have the crew, at the expense of Purchaser, perform such work as may be necessary or appropriate in order that the specified conditions may be brought about, or may delay the beginning of the work, or if already begun may discontinue the work, and, if he considers it impracticable to keep the erection crew on the site, may have the crew depart from the site.

Purchaser agrees to pay to Seller or its order, upon invoice, all costs of extra material or services required for the performance of work related to the installation of towers, antennas or related equipment including any extra costs incurred by the contractor by reason of failure of compliance by Purchaser with any of the conditions (a) through (e) above or occasioned by inclement weather, labor difficulties, or excess labor costs resulting from requirements of local unions for extra work or stand-by labor.

Upon certification of the completion of the erection work hereunder by the erection crew foreman, Purchaser shall inspect the work, and if it is in conformity with the terms and provisions of this contract, shall certify its acceptance by immediately delivering to the erection crew foreman a signed statement to that effect. If Purchaser declines to sign such statement, then Purchaser before departure of the crew, shall inform Seller in detail by telephone of the reasons for such declination. If before departure of the crew, Purchaser fails so to notify Seller, or if Purchaser fails to make such inspection, the work shall be conclusively deemed to have been accepted by Purchaser.

GATES RADIO COMPANY
A division of Harris-Intertype Corporation
QUINCY, ILLINOIS 62301
Tel. (Area Code 217) 222-8200

Page 1

Contract No. DR-11208

Date November 20, 1968

PROPOSAL AND ACCEPTANCE

FOR

HAVERFORD COLLEGE
RADIO STATION WHRC
HAVERFORD, PENNSYLVANIA 19041
ATTN: MR. CHARLES L. HEDRICK

We are pleased to present this Proposal to supply the apparatus as itemized and priced in the attached schedule for your consideration and acceptance.

GATES RADIO COMPANY

Prepared by:

D. A. Robets

D. A. ROBERTS
Name

AUDIO PRODUCTS SPECIALIST
Title

Address

Phone

HARRIS INTERTYPE CORPORATION **GATES**

Page [illegible]

Contract No. [illegible]R-13208

EQUIPMENT

ITEM NO.	QTY.	STOCK NO.	DESCRIPTION	UNIT PRICE	TOTAL
1	1	994-5564-003	Ambassador Console	2595.00	$2,595.00
[illegible]	[illegible]	994-6034-001	M-6034 Preamp	87.00	87.00
[illegible]	[illegible]	994-6482-001	M-6482 Relay Kit	19.50	19.50
[illegible]	[illegible]	994-6108-001	M-6108 Monitor Amp	150.00	300.00
[illegible]	[illegible]	994-6244-003	M-6244 Preamps	115.00	345.00
[illegible]	[illegible]	723-0236-000	Shure M44-7 Stereo Cartridge	19.95	59.85
[illegible]	[illegible]	478-0291-000	Speaker matching transformer 48/8 ohm	[illegible]	23.75
[illegible]	[illegible]	722-0800-000	GRS-800 8" Speaker	[illegible]	17.90
[illegible]	[illegible]	725-0011-000	DWB-8A Walnut wall baffle	[illegible]	12.00
[illegible]	[illegible]	406-0269-000	AN-4 "ON AIR" warning light	[illegible]	[illegible]
11	[illegible]	[illegible]	Belden 8451 shielded audio cable - .06/ft., less 20% in 1000' spools		48.00
12	[illegible]	436-0054-000	611 Seth Thomas Clock-chrome	[illegible]	16.00
[illegible]	[illegible]	354-0227-000	8 ohm speaker "T" pad	[illegible]	11.80
14	[illegible]	723-0237-000	N-44-7 replacement stylus for M44-7 cartridge	[illegible]	19.50
			Total.....		$3,607.80

HARRIS
INTERTYPE
CORPORATION
GATES

Page 3

Contract No. DR-11208

SUMMARY

1. Summary of items:

Transmitting Equipment	$
Monitoring Equipment	$
Phasing Equipment & Accessories	$
Tower Equipment	$
FM Antenna Equipment	$
Program Automation Equipment	$
Studio Equipment	$ 3,607.80
Remote Control Equipment	$
Miscellaneous	$
Total Equipment	$ [illegible]
EQUIPMENT PRICE	$
Tax (description)	$
Total, including tax	$
Trade in allowance on	$
Total Price, less trade in	$

2. Requested shipment schedule:

ITEM	ESTIMATED SHIPMENT DATE

3. Payment arrangements:

Cash with order	$
Cash due upon receipt of construction permit	$
Balance due	$

Payable as follows:

If the above provides for payment in deferred installments, purchaser authorizes seller, in acknowledging this order, to calculate and state in its acknowledgement, the balance remaining unpaid to seller under this contract, the total amount of the finance charge payable on said balance, computed at ______ % per annum, the time balance inclusive of finance charge payable by purchaser, and the amount of each of the _____ substantially equal and consecutive monthly installments, the first of which installments will be due 60 days after the anticipated date of shipment of the major item of equipment described herein, as determined by seller. All instruments on deferred transactions shall be executed prior to shipment.

ALL PRICES ARE NET, ARE F.O.B. MANUFACTURER'S SHIPPING POINT(S), AND ARE SUBJECT TO ADJUSTMENT AS HEREIN PROVIDED.

THE PROVISIONS OF THE REVERSE SIDE HEREOF ARE A PART OF THIS ORDER, AND UPON ACCEPTANCE OF THIS ORDER SHALL BE BINDING UPON SELLER AND PURCHASER.

This proposal consisting of pages numbered 1 to ___, inclusive, is hereby accepted this ______ day of ___________, 19___.

(Purchaser's name, corporation or partnership)

(Signature of owner, partner or officer -- state which)

TERMS AND CONDITIONS

Acceptance:

This proposal and acceptance when signed by Purchaser shall constitute an order by Purchaser, which shall be deemed to be accepted by Seller when Seller mails to Purchaser its standard form of acknowledgment. Seller reserves the right in its acknowledgment to change prices and specifications herein to Seller's prices and specifications in effect on the date of the acknowledgment. If the prices or specifications in the acknowledgment differ from those herein, Purchaser may cancel this order by a written notice by certified mail to Seller within ten (10) days after receipt of the acknowledgment. In case of such cancellation, Seller shall refund to Purchaser all payments previously made on account of the purchase price, without interest. If a written notice is not received from Purchaser, as above provided, then such change shall be deemed to be accepted. The order together with the acknowledgment above mentioned shall constitute the entire contract between the parties, and shall be changed only by written agreement of the parties. The banking by Seller or other disposition of funds paid by Purchaser to Seller, shall not constitute acceptance of this order by Seller. The contract shall be governed by the laws of the State of Illinois.

Purchaser acknowledges receipt of a copy of this order as signed by it.

Price Protection:

Seller may adjust the price of any of the equipment covered by this order to Seller's list price in effect immediately prior to shipment except that, in the case of equipment manufactured by Seller, if (a) this order is accompanied by a down payment of at least 25 percent of the total price of the equipment described herein and shipment is made within 90 days after Seller's acceptance of this order, or, (b) this order is herein designated as contingent upon issuance of a construction permit by the Federal Communications Commission and is accompanied by a downpayment of at least 5 per cent of the total price of the equipment described herein and shipment is made within 6 months after Seller's acceptance of this order, no adjustment shall be made, other than as provided herein. If this order provides for deferred payment terms, Seller may increase, but by not more than one percentage point, the rate of finance charge provided herein to its rate of finance charge in effect immediately prior to shipment.

Contingent Orders:

If this order is herein designated as being contingent, Purchaser represents it has pending, or will file, with the F.C.C. an application for a construction permit. If such application as originaly filed, or as amended, is denied, revoked, or abandoned, Purchaser upon giving prompt written notice to that effect to Seller, may cancel this order with respect to any or all items unshipped at the date of Seller's receipt of said notice, whereupon Seller shall refund to Purchaser the payments theretofore made for such cancelled items after deducting charges for special or custom-built equipment. If a balance remains payable to Seller after deducting the price of such equipment, Purchaser shall pay said balance upon receipt of invoice from Seller.

Taxes:

Purchaser shall pay, or upon receipt of invoice from Seller, shall reimburse Seller for, all sales, use, occupation, gross income, excise, and other taxes or charges levied or imposed on Purchaser, or required to be collected by Seller, or imposed on the Equipment or on Seller resulting from this transaction or any part thereof.

Anticipation of Payments:

In the event that Purchaser elects to pay the unpaid balance of the cash purchase price in full on or before the 30th day after shipment, the finance charge shown on the face hereof will not apply. If not so paid, Purchaser, on the due date of any subsequent installment, may prepay unpaid installments in the inverse order of their maturity, in which event Purchaser will receive a credit against the remaining balance for the portion of the finance charge applicable to the installments so prepaid.

Insurance:

When requested by Seller, Purchaser shall furnish to Seller an insurance policy, in such company as Seller shall approve, on the Equipment, against fire and extended coverage perils in an amount equal to the full value of the Equipment, with loss first payable to Seller as its interests may appear. Purchaser shall maintain such insurance until full payment shall have been made to Seller, in default of which Seller may obtain the same at Purchaser's expense, for which Purchaser shall promptly reimburse Seller.

Delivery:

If Purchaser delays shipment, payments are to be made as though shipment had been made as specified and the Equipment shall be at Purchaser's risk and shall be stored by Seller at Purchaser's expense.

Seller's obligations hereunder are subject to delays incident to: labor difficulties; fires, casualties and accidents; acts of the elements; acts of the public enemy; component failures on test; transportation difficulties; inability to obtain equipment, materials or qualified labor sufficient to fill its orders, in which latter case Seller may apply or prorate shipments of its products to or among its customers as in its judgment is reasonable in the circumstances; governmental interference or regulations; and causes beyond Seller's control.

If shipment of any item is delayed for more than one year beyond the estimated shipping date specified herein, by reason of any of the foregoing, either party may terminate this contract as to any such items by written notice to the other whereupon Seller shall either (a) issue a credit to Purchaser's account hereunder in an amount equal to an equitable portion of the total contract price, without interest, or (b) if the total contract price has been paid, Seller shall refund to Purchaser an equitable portion thereof, without interest.

Installation:

Purchaser is responsible for installation and service of the Equipment including preparation and maintenance of all necessary facilities, employment of an adequate staff of technically qualified personnel and for the furnishing of any necessary equipment, materials or services not provided for herein.

Title and Remedies:

Until full payment of all obligations of Purchaser hereunder (whether represented by notes, open account, judgment, or otherwise), Seller reserves title to all of the Equipment furnished hereunder, whether or not the same is attached to the realty, and the same shall be considered as personal property.

If Purchaser defaults in paying or performing any of its obligations hereunder, Seller, with or without notice, may treat all amounts owing hereunder by Purchaser to be immediately due and payable and may repossess the equipment, and exercise such other or different remedies as are provided by applicable laws.

Unless payment in full is made by Purchaser prior to shipment, when requested by Seller, Purchaser shall execute, acknowledge and deliver to Seller, in Seller's usual form and upon the terms and conditions therein set forth, a conditional sales contract, chattel mortgage, security agreement, financing statement or other appropriate instrument as designated by Seller.

Warranty:

Seller warrants new equipment manufactured by Gates Radio Company against defects in material or workmanship at the time of delivery thereof, that develop under normal use within a period of one year (6 months on moving parts) from the date of shipment, of which Purchaser gives Seller prompt written notice. Other manufacturers' equipment, if any, including electron tubes, and towers, shall carry only such manufacturers' standard warranty.

Seller's sole responsibility for any breach of the foregoing provision of this contract, with respect to any equipment or parts not conforming to the warranty or the description herein contained, is at its option, (a) to repair or replace such equipment or parts upon the return thereof f.o.b. Seller's factory within the period aforesaid, or (b) to accept the return thereof f.o.b. Purchaser's point of installation, whereupon Seller shall either (1) issue a credit to Purchaser's account hereunder in an amount equal to an equitable portion of the total contract price, without interest, or (2) if the total contract price has been paid, refund to Purchaser an equitable portion thereof, without interest.

If the Equipment is described as used, it is sold as is and where is. If the contract covers equipment not owned by Seller at this date it is sold subject to Seller's acquisition of possession and title.

Seller assumes no responsibility for design characteristics of special equipment manufactured to specifications supplied by or on behalf of Purchaser.

Seller shall not be liable for any expense whether for repairs, replacements, material, service or otherwise, incurred by Purchaser or modifications made by Purchaser to the Equipment without prior written consent of Seller.

EXCEPT AS SET FORTH HEREIN, AND EXCEPT AS TO TITLE, THERE ARE NO WARRANTIES, OR ANY AFFIRMATIONS OF FACT OR PROMISES BY SELLER, WITH REFERENCE TO THE EQUIPMENT, OR TO MERCHANTABILITY, INFRINGEMENT, OR OTHERWISE, WHICH EXTEND BEYOND THE DESCRIPTION OF THE EQUIPMENT ON THE FACE HEREOF.

Damages and Risk of Loss:

Purchaser assumes all responsibility for and risk of loss of, or damage to, the Equipment upon delivery at Seller's shipping point, notwithstanding the fact that Seller may have selected the carrier.

In no event shall Seller be liable under any provision of this contract for loss of business or of anticipated profits by Purchaser, outlays by Purchaser in anticipation of business, other incidental or consequential damages of any kind, or for damages on account of negligence.

Purchaser agrees to indemnify Seller against all claims, whether on account of negligence or otherwise, except those asserted by Seller's employees, arising out of or resulting from the erection, operation or use of the Equipment.

Tower, Antenna and Related Services:

Tower and antenna erection work, ground system installation, installation of concrete foundations and anchors, and services related thereto and provided for herein, will be performed by an independent contractor.

Seller shall let the contract for erection of any towers and antennas provided for herein to an independent contractor, who shall not be deemed to be an agent of Seller, and Purchaser agrees to supervise and direct such independent contractor in the performance of the work to assure compliance with all applicable specifications, restrictions, ordinances, laws and governmental regulations.

With respect to the erection of the tower, antenna and related services, Purchaser agrees that, (a) prior to shipment of such equipment, Purchaser will have obtained from the Federal Communications Commission, the Federal Aviation Agency, and any other governing bodies having jurisdiction thereof all necessary permits; (b) the site will be level, clear and free from obstructions and debris, and staked off prior to arrival of the tower erection crew; (c) the site shall not consist of marshy land, swamps, dumps, rocky soil, peat or frozen soil, and the soil conditions shall be normal and suitable; (d) suitable electrical power will be available for construction work and for testing; and (e) there shall be suitable access to the site by truck and other vehicles for the hauling of all necessary materials and equipment.

If, either before or after the erection crew has begun the work of erection, it is discovered that any of the conditions specified in (a) through (e) do not obtain, then the erection crew foreman in his discretion may have the crew, at the expense of Purchaser, perform such work as may be necessary or appropriate in order that the specified conditions may be brought about, or may delay the beginning of the work, or if already begun may discontinue the work, and, if he considers it impracticable to keep the erection crew on the site, may have the crew depart from the site.

Purchaser agrees to pay to Seller or its order, upon invoice, all costs of extra material or services required for the performance of work related to the installation of towers, antennas or related equipment including any extra costs incurred by the contractor by reason of failure of compliance by Purchaser with any of the conditions (a) through (e) above or occasioned by inclement weather, labor difficulties, or excess labor costs resulting from requirements of local unions for extra work or stand-by labor.

Upon certification of the completion of the erection work hereunder by the erection crew foreman, Purchaser shall inspect the work, and if it is in conformity with the terms and provisions of this contract, shall certify its acceptance by immediately delivering to the erection crew foreman a signed statement to that effect. If Purchaser declines to sign such statement, then Purchaser before departure of the crew, shall inform Seller in detail by telephone of the reasons for such declination. If before departure of the crew, Purchaser fails so to notify Seller, or if Purchaser fails to make such inspection, the work shall be conclusively deemed to have been accepted by Purchaser.

WHRC
Haverford College
Haverford, Pa. 19041

6 Novermber 1968

Mr. C. Brian Cox
Gates Radio Company
123 Hampshire St.
Quincy, Ill. 62302

Dear sir:

As you may recall, I wrote you this summer asking for information about various pieces of audio equipment for proposed new WHRC studios. Since then, my proposal has been approved in principle. Final approval, however, will not come until I submit a detailed list of equipment and prices. As you have a rather complete line of audio equipment, I would like to invite you to submit a comprehensive recommendation for all the new equipment you feel we would need. I am enclosing a preliminary list I made up over the summer to give you an idea of our thinking.

1. The studios will be a control studio, an announcers' booth, and a record library. It is intended that there be one mike in the control studio, two in the booth, and three in the library (for panel discussions). There will be monitor speakers in all three studios.
2. The control studio should be capable of doing both broadcasting and production work. Production is done on audition during periods when we are only rebroadcasting FM, however.
3. Facilities should be provided for auditioning records in the library independently of any equipment in the control studio.
4. Please use as much of our present equipment as possible. Since we write off and replace equipment as it wears out, much of it is due to be replaced in the near future anyway.
5. Include in the technical facilities sufficient equipment and spare parts to do routine maintainance and repair the most common catastrophic failures. We will not attempt major repairs or overhauls of tape equipment.
6. Please consider $5000 an absolute maximum figure. I would hope that the total could be kept to around $4000.
7. We do not know exactly what is included in the $61 intercom unit. For that price, surely there is more than just a PM speaker.
8. We do not know whether the console's built-in power amplifier will drive our monitor speakers. If not, clearly another monitor amplifier will be needed.

Thank you very much for your help.

Yours truly,

Charles L. Hedrick

Charles L. Hedrick,
Station Manager

HARRIS
INTERTYPE
CORPORATION

GATES RADIO COMPANY
A SUBSIDIARY OF HARRIS-INTERTYPE CORPORATION

123 HAMPSHIRE STREET • QUINCY, ILLINOIS 62301 • 217-222-8202

December 19, 1968

Mr. Charles L. Hedrick
Station Manager
Radio Station WHRC
Haverford College
Haverford, Pennsylvania 19041

Dear Mr. Hedrick:

Thank you for your letters of December 14th and 15th concerning your proposed Ambassador installation. I have several comments on this installation and I hope you will bear with me.

My first comment is that Gates Radio is willing to make these modifications for you, however, you must keep in mind that you will be paying approximately $15.00 an hour for all labor involved. This can add up to a fairly large sum in very short order. The modifications which you propose appear to be of the variety which can be readily performed at your own installation. For those reasons, I strongly suggest that you perform the modifications yourself.

I would like to make a few observations on your proposed modifications. First is that you are indicating a +24 VU program out line, presumably for the purpose of driving a telephone line. I'm afraid this is a poor choice. The M-5700 program amplifier is capable of a +24 dBm maximum, and that is a clipping level. Utilizing a nominal +24 VU out would result in severe distortion due to the lack of head room at that nominal level. The standard console output level of +8 dBm is sufficient in 99% of all remote line situations. The usual maximum line driving level is in the area of +18 dBm. Above this level, the telephone company usually encounters severe crosstalk problems. All 12 inputs into the control center are of the balanced variety and do not need modification as you suggest.

Concerning the M-6244 turntable preamp, the old style M-6244, was supplied with an input impedance of 6200 ohms. Recent versions of this preamplifier, not covered in the old catalog, are now supplied with a high impedance input designed to permit the utilization of standard high impedance cartridges, in particular the stereo variety with the outputs paralleled.

I hope this may have been of some assistance to you. The essential point that I would like to re-emphasize is that essentially everything that you propose in the way of modifications may be readily performed by you with the exception of obtaining a +24 dBm program output feed. If you should come up with any further questions, don't hesitate to contact us.

Sincerely,

D. A. Roberts

D. A. Roberts
Audio Products Specialist

sp

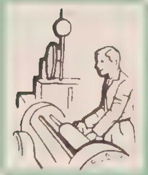
207 *ways to use a tape recorder . . .*

in business

in your profession

in education

in industry



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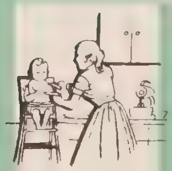
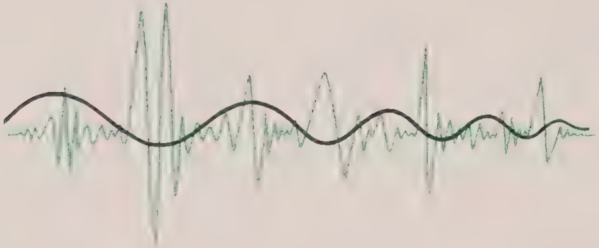




the sounds in your life . . .

. . . whether business or social, scholastic or professional, creative or mechanical, now can be forever captured. The versatility of the portable tape recorder brings many practical and profitable benefits in hundreds of ways to the businessman, educator, scientist, researcher, and the professional man. Those priceless moments in your personal life can be fully recorded and relived over and over again, gaining in richness through the years.

Your choice, too, of moments of historical greatness can again be yours at the flick of a finger. All this is yours . . . a practical business tool . . . a wonderful new world of enjoyment . . . when you apply the electronic magic of tape recording. Here, in this booklet, Magnecord presents over 200 valuable ways for you to use and enjoy a tape recorder.

forty-six ways to use a tape recorder in BUSINESS

You can effectively utilize recorded messages to sell tires and accessories in gas stations.

If your store clerks are busy, a tape recorder can take telephone orders.

Your branch offices can tape record correspondence, etc. for typing at the main office.

You can tape record instructions for machinery to be assembled by a purchaser.

You will find preparation and delivery of speeches easier when you use tape.

Your assistants can save you valuable time by recording for you, excerpts from trade magazines.

You can easily record labor-management meetings for your records.

Inventory-taking for your business, is greatly speeded by using tape.

A recording "suggestion box" can be valuable to your business.

You can conduct plant tours by using tape recorders.

Former secretaries can continue in your employ by typing at home from recordings.

Recorded inter-office memos are quicker and more effective when tape recorded.

You can avoid misunderstandings, etc., by taping telephoned orders.

You will find it much faster to tape record, rather than write sales reports.

You can evaluate speed and aptitude of job applicants faster with recordings.

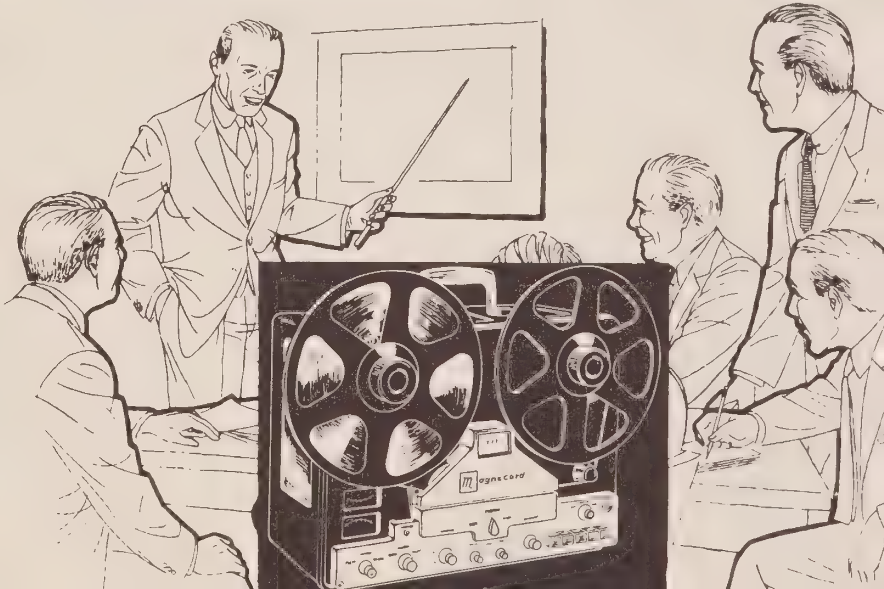
Job applications are easily filed-by-recording for later reference.

Tape recorded information is easily passed from one factory shift to another.

Time, weather, and other information can be automatically transmitted over the telephone.

You will find recorded foreign language orders are more easily translated.

You can avoid confusion and error by tape recording auction bids.



Magnecord manufactures a number of tape recorders suitable and adaptable to most any type of business use—and are acclaimed by executives the country over for their excellence, accuracy and fidelity of reproduction.

Your drive-in theatre can sell popcorn and drinks through recorded sales messages.

A display window microphone will permit your customers to order after hours.

You can better analyze your salesmen's abilities through recordings.

Your point-of-sale messages are more effective when tape recorded.

Expense accounts are materially reduced when tape recorded.

You can greatly stimulate sales contests by taped commentaries.

Warnings of "no smoking", etc., can be recorded, and then started by foot pressure pads.

Messages from mobile trucks are clearer and truer when tape recorded.

You can record customer complaints on tape for later solution.

Some railroads utilize tape for recording Pullman reservations.

You can implement advertising plans by recording customer interviews.

Shopper comments, from "listening in" recorder, will provide you with the public's reactions to sales, clerks, etc.

You can effectively use tape in long-distance job application.

Your veteran salesmen's talks on tape can materially assist sales trainees.

You will improve techniques, and have accurate records, if you record telephone solicitations.

Recorded passenger commentaries can materially assist transportation systems.

Mechanic's, TV and radio repairmen can record customers' descriptions of difficulties for playback when they are ready to begin a job.

Your business dictation is easier and more accurate when you use tape.

Branch offices of your business can easily pass along selling ideas through tape.

You can improve your receptionists' and telephone operators' voices through recordings.

Sales orders can be sent in by two-way radio, to a recorder, for later transfer to invoices.

Your salesmen will find recorded testimonials effective as a selling aid.

You can record for later analysis the calls of sales trainees.

Absentees can attend banquets, etc., through tape recordings.

You can aid promotion if you record celebrity interviews for release to radio stations.

Recordings of the sounds of faulty engines compared with trouble-free engines often will help you diagnose trouble instantly.

eighteen ways to use a tape recorder in your PROFESSION

By tape recordings, you can speed laboratory and library research.

If you work in a creative field, you can compile ideas faster by recording them.

Cardiac specialists record heart beats for study and filing.

Dentists and surgeons have found recorded music soothes many patients.

Compilation of data is quicker and easier when you use a tape recorder.

As an attorney, you will find recorded client-witness interviews are excellent records.

More accurate interviews are available to reporters who use recorders.

Physical therapists find recorded exercises are helpful.

If you are a psychologist, you will find recorded case histories valuable.

The mentally ill sleep easier when a background of soothing tape recordings are used.

If you are a doctor, you will find recording breathing and heart sounds helpful.

Your local legislative body may record proceedings on tape.

The tape recorder sometimes replaces, and always supplements the court reporter.

Doctors sometimes use recordings of snoring as an aid in diagnosing cause.

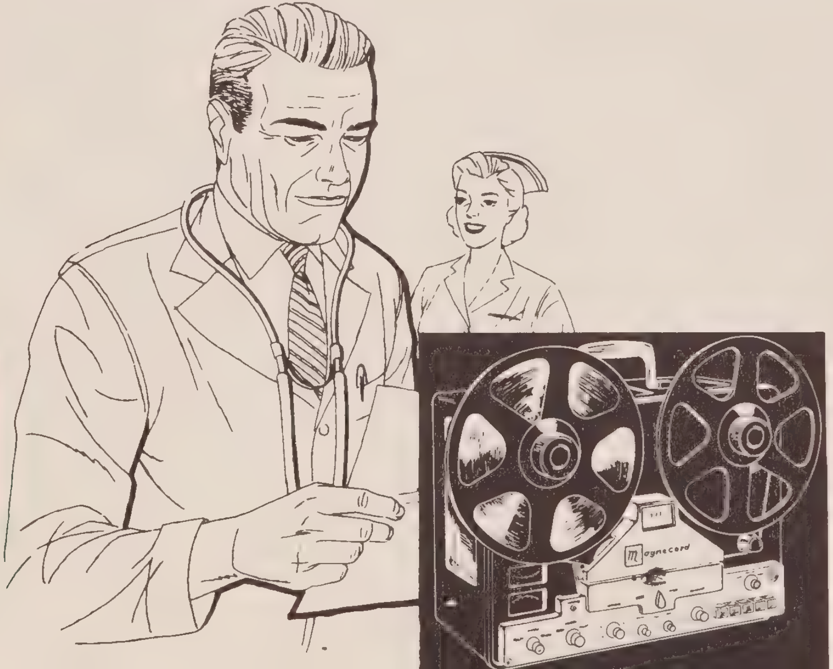
A politician can effectively and extensively campaign with tape recordings.

Radio stations use tape recorders extensively for on-the-spot interviews and later playback on the air.

The tape recorder is in wide use for question-answer sessions between legislator and the home radio station.

You can prove authenticity of text and source for quotations and endorsements quickly when they are recorded.

The name Magnecord is synonymous with its reputation—"The Choice of Professionals", whether radio-television broadcast engineer, doctor, lawyer, concert artist, music director or educator. Consult your local telephone directory listing under "RECORDERS—Sound", for your Magnecord dealer and inquire about the great Magnecord models S-36, M90, P75 and the new models, 728 and 748.



eighteen ways to use a tape recorder in **INDUSTRY**

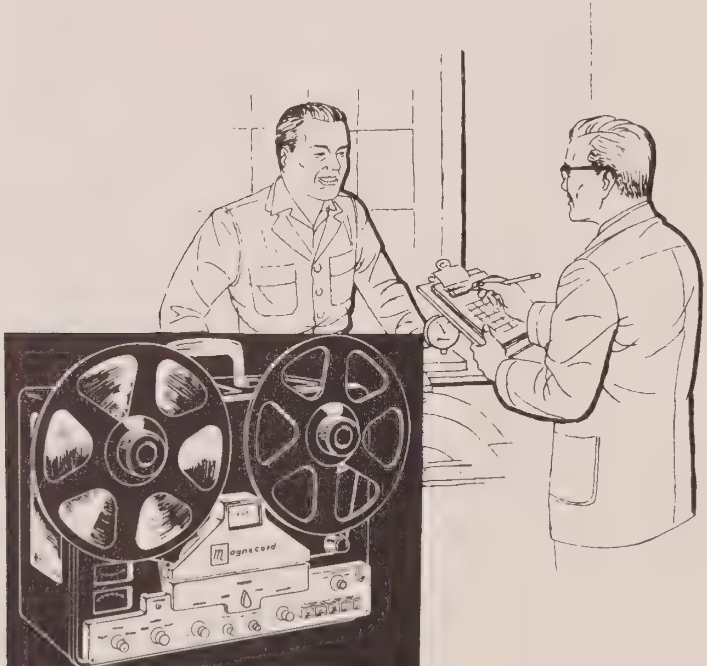
Tape recorder background music steps up production, builds morale, decreases absenteeism.

Your tape recorder will record research information human ears will miss . . . vibration, telemetering, computing, automatic control.

Tape will greatly speed your time and motion studies.

On-the-scene accident reports are often required listening for reckless drivers.

Fire and police departments can tape incoming calls, and gain accuracy.



Your "minutes of the meeting" are easily and permanently recorded.

You can standardize sales training by recording lessons and procedures.

Your main office can easily and quickly transmit training messages to branch offices.

Your visual presentations are more effective when sound is added by recordings.

Messages on safety procedures, announcements, etc., are easily presented to the public through tape recordings.

You can audition public speakers and entertainers long-distance through recordings.

Tape recordings are utilized in many freight yards to expedite car movements.

You can quickly inform your employees of labor negotiations by taping progress.

Many police organizations use tape recorders to record on-the-spot witnesses' stories.

Your local Civil Defense checks sirens' noise levels with recordings.

You can train machine operators faster through recorded instructions.

Your local airport may record plane-control tower conversations.

Noise levels in your offices are easily checked with your recorder.

Whether it's baking a cake by automation or using a Magnecorder to record sound or vibration, Magnecord enjoys the reputation for producing the finest and most efficient magnetic tape recorders engineered to specific industrial instrumentation tasks and laboratory assignments.

sixty-two ways to use a tape recorder in SCHOOL

You can improve your classroom recitations if you record and listen to them beforehand.

If you have a speech impediment, it is more easily corrected if you record, and then listen to your own conversation.

You can improve and polish your public-speaking techniques if you will listen critically to your recorded speeches.

As a teacher, you can record study lessons, and thus help ill students keep up with their classes.

A history teacher can record the latest radio news, and then use the recordings for classroom discussions.

You can teach reading to elementary classes much easier with the aid of tape recordings.

You can check the timing and correct the errors in rehearsals of school plays by tape recording them.

You can instruct and amuse children in the elementary grades by tape recording puppet shows.

By tape recording lessons beforehand, a shorthand and typing teacher can be free to walk around the class, and give personalized instructions to the students.

Students' oral make-up work can be recorded and played-back at the teacher's convenience.

If you are a student of foreign languages, you will learn more quickly and accurately when you listen to recordings made by citizens of that country.

Lectures for correspondence school students can easily be tape recorded and would be of immense help.

The exchange of ideas between local, out-of-state, and foreign students is easy, quick, and accurate when tape recordings are used.

You can bring much enjoyment to the blind and the handicapped by recording lessons and stories for playback to them.

Hearing defects can often be revealed by playing back tape recordings at various sound levels.

You can provide vocational guidance to youth by recording the advice of leaders of a profession.

A "talking yearbook" will give you years of enjoyment if you record it.

Tape recordings make excellent guides on visitors days.

Your effectiveness as a teacher can be improved by studying the recorded messages of educational leaders.

You can save time and gain accuracy by recording students' case histories.

Administration dictation is speeded up and improved by using a tape recorder.

The proceedings in educational conferences can be tape recorded for later study.

If you attend an out-of-town sports event, you can record it for playback for those unable to attend.

If, as a teacher, you are hospitalized, you can continue instructions through a tape recorder.

Actual business dictation, thru a tape recorder, helps train business students.

You can teach rhythm to typing students by recorded music or instructions.

You can use tape recorded job interviews to prepare graduating students.

If you teach elementary classes, you can stage pantomimes, with recorded background.

You can greatly improve appreciation of literature by recording selected pieces.

Student plays are easily recorded for playback over the local radio.

Recording your own teaching instructions will greatly improve later delivery.

Lectures are easier prepared by using a tape recorder.

You can improve the maneuvers of a marching band with the aid of recorded music.

The presentations of school music groups can be recorded for later playback.

You can better evaluate student talent by recording voices and auditions.

Special events of particular importance can be recorded for later playback to students.

You can easily record interviews with visiting celebrities for later student and classroom discussion.

Educational radio shows can be recorded for class use.

A beginning teacher can learn much ano quickly from veteran teachers' recorded techniques.

You can stimulate class interest by recording opposite political points of view for class use.

Special reports of particular interest can be recorded for playback to alumni.

PTA women who do volunteer typing are greatly assisted by typing from recordings.

You can be more helpful at PTA meetings by recording classroom proceedings.

You can teach speaking techniques to future receptionists and telephone operators much more effectively through tape recordings.

You can assist in the reduction of future accidents by on-the-spot recordings of mishaps.

Your students can learn the multiplication tables easier and quicker from tape recordings.

Using a tape recorder, your children can make their own sound-slide films.

Your local youth farm group can well use tape in exchanging farm information.

The recordings of experts in many fields are of great interest and assistance to your students.

You can provide greater opportunity to gifted students by utilizing tape recordings.

Zoology classes have greater interest when wildlife recordings are used.

Tape recorded battle sounds greatly assist in the training of soldiers for combat.

eighteen ways to use a tape recorder in CHURCH

Service for shut-ins is easily done, and easily available.

If you are a minister, and hospitalized, you can tape record your sermons.

Missionaries in the field can conveniently record reports for the congregation at home.

Outstanding church progress and events can be recorded for posterity.

Your Sunday School classes can effectively use tape recordings of Bible stories.

Training your church choir is expedited and improved through tape recording.

An exchange of the recordings of other church's service builds understanding.

You can conveniently record church conventions for playback for those who could not attend.

A recorded sermon can serve as your application for a church position.

You will find fund raising is easier with recorded examples of the work being done.

If your church is an outlying one, recorded sermons are most desirable.

Your tape recorder is valuable in rehearsing sermons.

Your church functions can easily utilize choir and organ tape recordings.

You will find recorded organ music most satisfying at home weddings and funerals.

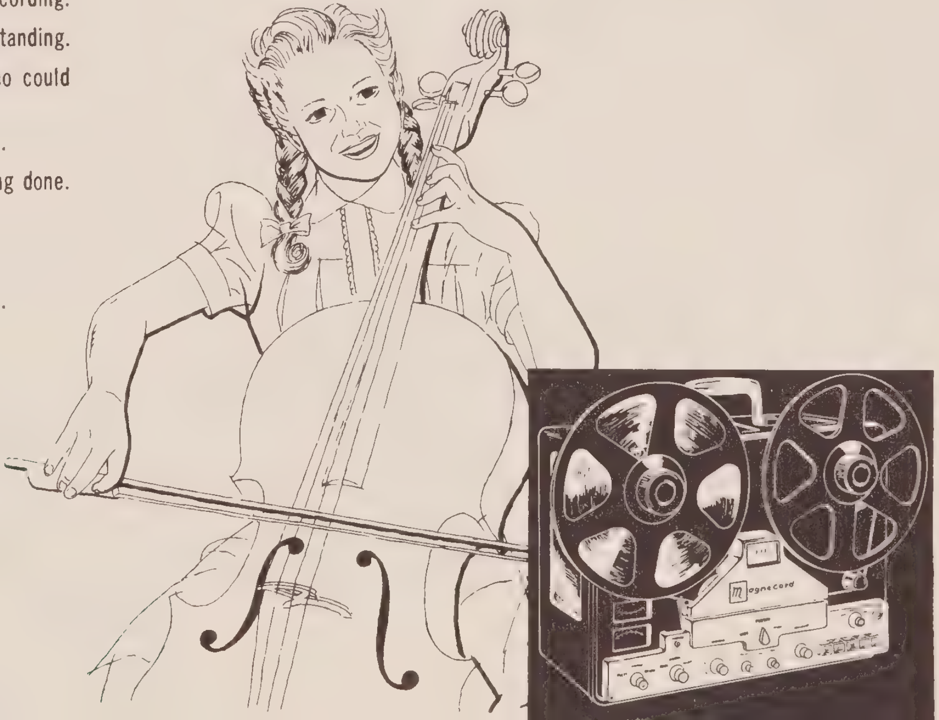
You can enliven your church bazaars and carnivals with recorded music and "spiels".

Inspirations for sermons are quickly recorded before they are forgotten.

Church members' messages to loved ones overseas are quickly and easily prepared.

A record library of sermons of noted speakers is valuable to posterity.

American universities and churches have long recognized and acclaimed Magnecord tape recorders as superior in operation and more flexible and adaptable to their specific requirements. The new Magnecord Model 748 Olympian is particularly designed for school and church uses.



thirty-seven ways to use a tape recorder at HOME

You can quickly and easily build your music library from FM and TV music programs. Some radio stations program expressly for home recording.

You will find it convenient and simple to convert your single play records into a long-playing library.

You will find it a wise precaution to put your rare and valuable records on tape before they break or become worn.

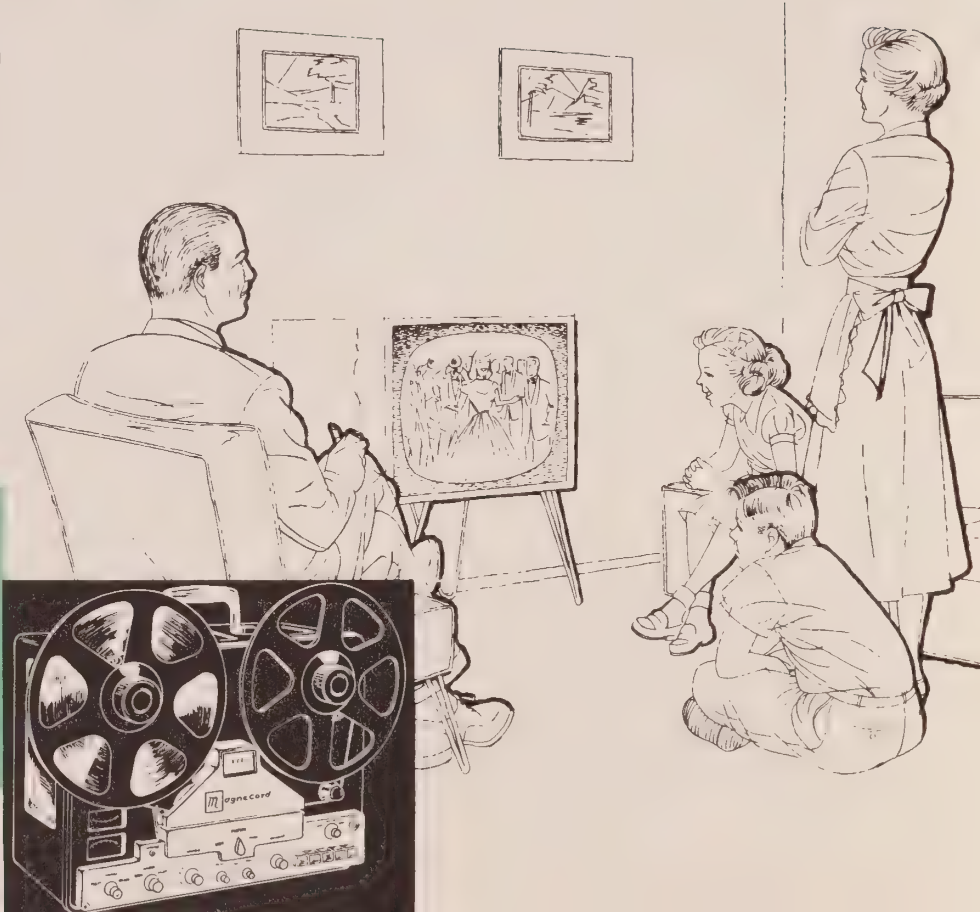
Your youngster's first recital is permanently yours if you record it.

Your diary is more interesting if you record it instead of writing it.

With recorded lessons, you can learn while bathing, dressing, or otherwise engaged.

Your baby's first words can be captured forever with your tape recorder.

The new Magnecord Model 748 is the finest tape recorder for "home use" to be offered at such a modest investment. Beautifully styled, handsomely cased, it is compact and portable. With simple efficient operations and new features, the 748 will become a pride to the Hi-Fi enthusiast. It is also designed for better audio-visual use. Here also is a tape recorder for the average amateur who wants a better than average tape recorder.



You can record your favorite radio and TV listening for playback at your convenience. Recordings of singing and instrumental practice will quickly reveal your progress.

You can record your playing with professionals on radio broadcasts.

Your family's musical efforts can easily be recorded for later enjoyment.

Pre-recorded tapes are becoming more and more available and add interest to family gatherings.

You can record teen-age jam sessions.

A President's history-making address to Congress, recorded, will later make history "live" for your children.

Interesting radio and television broadcasts can be forever sealed with your tape recorder.

If you record your family's special events — Christmas, weddings, etc. — they can be enjoyed many times over.

Your memories of your vacations will be more enjoyable if you record your impressions as you travel.

You will find that often an easy cure to children's quarrels is to record them for later playback.

A "goodnight" message for your children is easily recorded for your baby sitter to play later at bedtime.

Tape recording will show defects and greatly improve your speaking ability.

You can quickly leave "notes" to other members of your family with your recorder.

A foreign language is easier to learn with the aid of a tape recorder.

You will find your relatives and friends greatly enjoy recorded "letters."

Your friends will appreciate more your recorded "Greeting Cards."

You can easily extract and keep information you want from borrowed books.

Your visits from old school chums can be enjoyed many times if your record them.

Your tape recorder makes study and practice of dramatics effective and easy.

Radio recipes — sometimes difficult to capture — are easy with you recorder.

Recorded local noise nuisances are excellent evidence when accompanied by a request for correction.

Your home movies and slides will be more interesting if you add a sound "track."

If you are a "ham" radio operator, you can record code for later translation.

Obedience training for your dog, or talking lessions for your parakeet are much easier and faster using tape recordings.

Recorded square dance calls will add interest and color to your parties.

Recorded music is an excellent aid in lulling children to sleep.

You can discover an exciting hobby . . . "Sound Hunters" who record the unusual.

Your children can enjoy their favorite tales many times over if you record them.

You will find speeches easier to memorize if you will tape record them.

it's easy to record and playback . . .

Simplicity of operation is a major factor to be considered in every tape recorder. The MAGNECORDERS have been so designed that even a child can operate them quickly, safely and efficiently.

The turn of a knob turns your recorder on. A lever is then turned to "RECORD" position . . . and recording has begun. A glance at the sensitive VU Meter . . . a familiar needle and dial design . . .tells you the volume at which you are recording. When you wish to hear or check what you have recorded, the lever is turned to "PLAYBACK", and immediately the sounds you have captured come to life again in all their original fidelity. To erase old material and reuse the tape, simply record new sounds over the old. The old sounds disappear . . . the new stays.

how your tape recorder works . . .

When you turn the lever to the RECORD position, the sounds which then enter your microphone are changed by the microphone into electrical impulses. These impulses, in turn and guided by a magnet, arrange themselves in to patterns on the magnetic tape . . . recorded perfectly.

Then — when you are ready to play back the recording, the reverse happens. Turn the lever to "PLAYBACK" . . . the patterns become impulses . . . and the impulses become the original sound . . . reproduced perfectly.

how to make better recordings . . .

A. If you record with too much volume, you will get distortion, erasure will be difficult, and background noises will be increased on later recordings.

B. If you record with too little volume, again you will get an increase in background noises, because on playback, additional volume is needed.

C. To determine the correct recording level . . . the level that sounds clearest and most natural . . . record at several volume settings.

D. If your tape has been stored for six months or longer, it is a good idea to rewind it once before using. Storage for more than 5 years should be in film-type containers.

E. Keep your tape recorder clean. Your recorder manual will show you location of the record-playback head, the erase head, and the capstan of the recorder. For maximum performance, these should be cleaned periodically with carbon tetrachloride and a soft cloth.

how to measure the length of recording time . . .

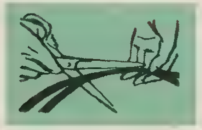
Two things determine the length of recording time: the length of the tape you are using, and the type recorder you have.

Magnetic recording tape is made in 150, 300, 600, and 1200 foot lengths, as well as longer lengths for professional use. Naturally, the longer the tape, the longer recording time you have.

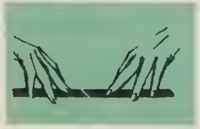
The type recorder you use effects length of recording time in this way. Some recorders are designed to run at 3¾ inches per second, some at 7½ inches per second, some at other speeds, and some recorders combine several speeds. Also, a recorder may use a single or a dual recording track. The single track is easier to splice for it uses the full width of the tape. However, the dual track recorder gives you double the amount of recording time, for it uses only half the width of the tape, and you can record on both halves.

The best recorder for you and your requirements can only be determined by demonstration.

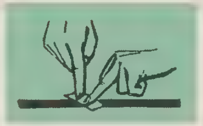
how to splice tape . . . tightly and noise free . . .



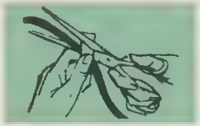
A To make your splice noise-free, let the tape overlap, and cut at a 60 degree angle. The ends will now line up.



B Now match up the tape, with the uncoated side up. On paper tape, the uncoated side is tan; on plastic tape it is the shiny side.



C Cover the matched ends with Splicing Tape.



D Now just cut off the excess splicing tape, cutting slightly into the recording tape to eliminate a sticky splice.

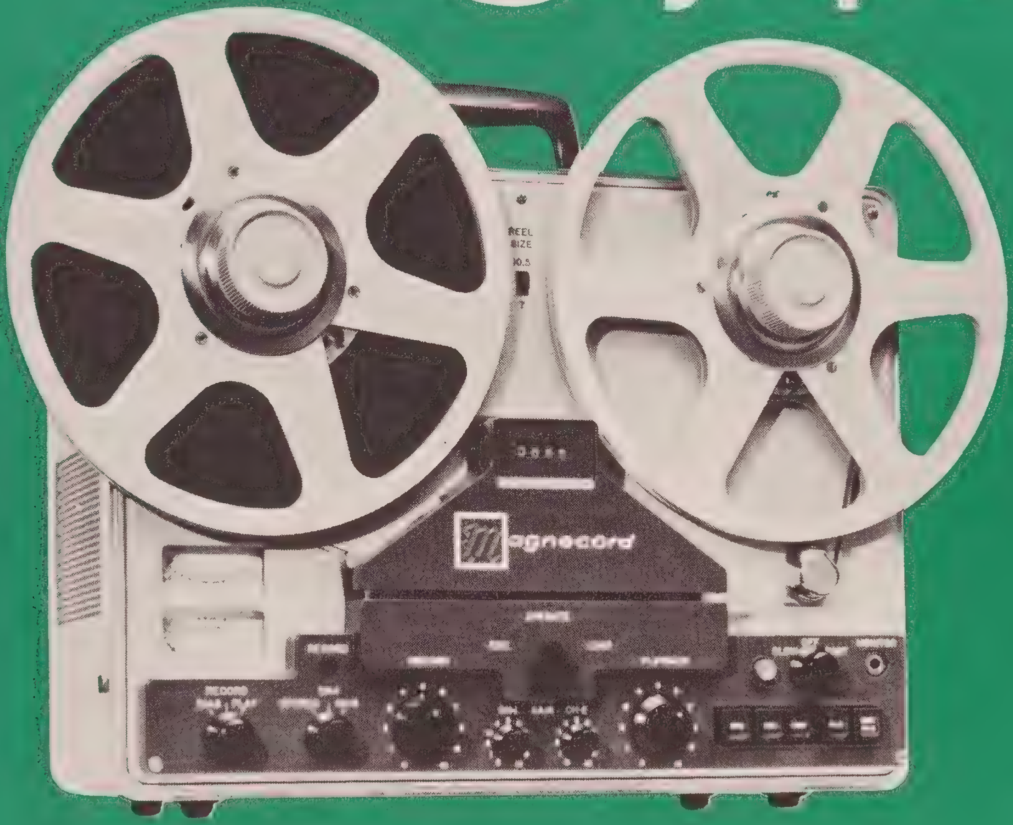
how to re-use your tape . . .

Recordings you have made can be as permanent or as temporary as you wish them to be. The high fidelity will remain true for thousands of playings. Erasing is simple, too. Just record the new material over the old. Automatically, the old impulse patterns disappear . . . the new patterns adhere. Lastly, you can record over and over again . . . for the high tensile strength of the tape has permitted test tapes to be used over 10,000 use cycles, and they are still going strong!

model **748**

Olympian

BY


REEL SIZE
Magnecord

MAGNECORD

The MAGNECORD MODEL 748 OLYMPIAN recorder/reproducer is truly a distinctive instrument . . . combining features to assure the most discriminating and exacting owner the finest in sound recording and reproduction authenticity. It is beautifully styled to blend quietly into any decor — whether home, office, or school — and it's compact and portable too. The operation of the OLYMPIAN attains the ultimate in simplicity. This newest Magnecorder has been rigidly engineered to exacting standards, and incorporates many features not found in any other recorder, in any price range. It records sound-on-sound, stereo and monaural. Such craftsmanship too, brings new heights of performance to a portable tape recorder in full frequency and high fidelity. Midwestern Instruments is proud of this new member in its electronic family . . . you will be, too!

FOR JUST A LITTLE BIT MORE

STEP UP TO

Magnecord

the choice of professionals

Magnecord recorder/reproducers—designed, precision-engineered and manufactured by Midwestern Instruments—are truly and rightfully the choice of professionals. The great majority of radio and television stations employ Magnecord for their varied professional needs. It meets the exacting demands of concert artists/conductors and the faithful fidelity standards of renowned music critics. The movie studios in Hollywood find Magnecord more than answers every sound recording problem. And whether used by Purdue University . . . or needed in business by the Firestone Tire and Rubber Company . . . Magnecord equipment matches every requirement.

So, for the highest standards of fidelity . . . for versatility . . . for dependability . . . the choice of professionals is truly . . . MAGNECORD.

You too, can buy Magnecord with confidence and assurance that you will receive the best in performance and value. Your purchase of Magnecord will rank you with the authorities in the art of tape recording.

For additional information and the name of your nearest Magnecord dealer write:

MI
Magnecord

MAGNECORD SALES DEPARTMENT
MIDWESTERN INSTRUMENTS
41st & Sheridan Road P. O. Box 7509
TULSA 35, OKLAHOMA

LITHO IN U.S.A.

you to build a library.

Records can be bought from local distributors at cost, that is at 62% of the list cost.

The above listings are verbatum from a prepared letter by William Keeler, FM Director, for us.

Richard Burdick strongly urged us to contact his personnal friend (this is off the record):

Dr. Hyman Goldin
Chief of Education~~al~~ & Research
The Federal Communications Commission
Washington, D.C.

This man may be visited, by the way. This might be a good idea, says Burdick.

about the possibility of obtaining a frequency allotment in the Philadelphia area. Educational FM and TV are the pet projects of Newton Minow and the FCC at this time, and Dr. Goldin is in charge of advancing and controling educational broadcasting in the US. Burdick recommended that all problems, questions, and other things of which we must be certain be directed to Dr. Goldin's office, and that we cease trying to do anything with the FCC at the Customs House in Philadelphia. Apparantly the FCC in Philadelphia has only control and monitoring funstions, and is in no wise to be considered as expert in matters concerning our becoming FM.

Hi-fi ("Class A") telephone lines to WHYY for the purposes of doing live shows would cost $50-$60 per month, and an additional charge of $6-$8 per hour of actual use. This is not inordinately expensive but taping - at least at first - would have definate advantages.

The fees paid by every commercial station to the two large musicians and performing artists unions are made mere token fees for educational stations, as follows: ~~#~~ $.00 per year to ASCAP, and BMI is free. HOWEVER: Look out for the extremely high, at times, and always surprising, royalties charged for the airing of certain works by certain composers. Fortunately those works are by and large unpopular and do not hurt the programming of a station by their absence or rarity of airing.

All those with whom we talked urged that we start our exploration of educational FM through taping of programs, under "on-the-air" conditions, with WHYY. That we ask them what they might want us to do, and that we on our own think up ideas for presentation on WHYY. That this would promote growth of interest and skill on the part of those who took part in this taping in whatever capacity, from producer to performer, was stressed. That it would not take an inordinate ammount of work, and could be a twice-a-semester thing at first, say, was also pointed out. From each according to his ability....... etc.

That this might also be fun (of all things) was stressed by Mr. Keeler.

The important thing, according to everyone, was that we should get up interest, and keep it. If we wait for a sure-fire thing before starting from the beginning will mean that we wait forever. Lacking interest at the top will mean that the project will get nowhere.

Questionnaire: [illegible] (get result)

Inv.: (789. Old equip) get transmitter working.

George: ideas, technique criteria for sales.

Notes Studio Policy.
Library turntable (R) reprogramming.
Keep out (E + H) studio.
No garbaging on the air.

Remove tech. closet.
Possible movement of walls.

Use of Studio — related to Station
Goals, or College.

Staff Meeting: tentative Feb. 28.
2:00 P.M.
Common Room.

Keys: Randy White
George Bell
Fred
Clark
Keith Tyrrell
Frank

mj 7 18 34

Open House; ? ?

There are girls at Bryn Mawr who want to do a radio program with a Haverfordian. Except they don't know a Fordian interested in doing a program with them. It's easy to learn how to run a program. (Mike Moore even learned) The type of program is up to you.

If you're interested in having a program with a Mawter, contact Dan Gordon at I08B or Charley Whitmore at IIIB.

If you're interested in having a program alone or with a friend, contact Herb Frey at Mi2-832I. WHRC needs people for announcing, technical work, engineering, news, sports, and individual programs.

WHRC Weekly Program Guide

February 8-10 WHRC 640 AM

Wednesday

6:00	Cleophus Charles	Rock N' Roll
7:00	Bob Armstrong	Rock N' Roll
8:00	Fran Conroy	Jazz
9:00	Wendy Patt Barbara McNamee	Jazz
10:00	Renner Anderson	Folk music
11:00-15	News Weather	Sports
11:15- Infinity	THE Mike Moore Show	Jazz

Thursday

5:00 Playback Eating Contest from the International House of Pancakes. Dave Oran giving a mouthful by mouthful account Contestants include Villanova St, Joes Bryn Mawr Haverford Bryn Mawr favored to win

6:00	Patty Schuller	Rock N' Roll
7:00	Bob Wismer	Rock N' Roll
8:00	Charley Whitmore	Potpouri
9:00	Herb Frey	More Potpouri
10:00	Keith Kamm Chris Schneider	Folk Music
11:00-15	News Weather	Sports
11:15	Phillis Sloss	Interview
11:30 til Dawn	The Dave Oran Spectacular	

Friday

6:00	Dan Gordon Toru Fujii	Rock N' Roll
7:00	Mark Greenfield	Folk
8000	Dara Chicea	Foriegn Music
10:00- thru Sunday	THE Jay Hoster Show	Rock N'Roll

The shows will resume Sunday,6:00pm. A fuller description of each show will appear in the next Program Guide. The Guide will hopefully be distributed weekly on both Haverford and Bryn Mawr campuses

WHRC 640am

x = interested; yes
o = not interested; no

question two   N = 261

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o o x x o o x o o o x x x (all ⊠ = o)

o = 117
x = 144   %o = 44.6   %x = 55.4

question three N = 259

x x x x o o x x x x x x x x x o x x x x x x x x x x x x x x x

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x o x x x x x x o x x (all ⊠ = o)

o = 40
x = 219   %o = 15.4   %x = 84.6

question four N = 259

o x o o o o o x x o o o x x o o x o o o o o o o o o o o o o o

o o o o o o o o o o o o o o o o o o o o o o x x o x o o x o o

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o o o o o o o o o x ⊠ o o o o o o o o o o o o [illegible] o x o o o o o

o [illegible] o o o o o o ● o o o o o o o o o o x o o o o o o x o o o [illegible]

[illegible] o o o o o o o o o o o o o o x o x o [illegible] o o o o o o o o x o o

o o [illegible] o o o o x x o o (all ⊠ = o; y = x)

o = 217
x = 42   %o = 83.8 %x = 16.2

x = Lloyd or Barclay residence
o = not

question one   N = 259

x o x o o o x o o x x x x x o x o o x x o o x o x x o o o x o
x o x x o x o x x o o x x x x o x x x x o o x x x x x x x x x
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o x x x o ⊗ x x x o x (all ⊗ = o; all y = x)

o = 84
x = 175   %o = 32.4   %x = 67.6

question 6   N= 239

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xxxo   x = 112   %x = 46.8   %o = 53.2
o = 127

question 8   N = 235

xooooooxooxxoooooooxxxoxoxooxxxxooxxxooxoooooooxoo⊗⊗⊗⊗ oxxx⊗
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xoxoooxxxxxxxxxxoxoxooxooooxxxooooooxoxoxxooooxoxxxxoxooooox
oooxxxo   x = 89   %x = 37.9   %o = 62.1
o = 146

question 5b

o o o o o x o o x x x x o o o x o x o o x o o x o x o o x o x x
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x x x x o

N = 261   o = yes = 103   % yes = 40%

WHRC Broadcasts Varied 'Spectrum' Of Musical Styles

The daily broadcasts of Haverford's radio station, WHRC, have been scheduled to offer almost every kind of music or entertainment throughout the day. While the schedule has not yet been completely worked out, these are the shows planned so far:

MONDAY THROUGH FRIDAY

7:30-9:00 a.m. - SPECTRUM: a morning variety show of the Breakfast-Club type, featuring news, music, and probably hall announcements

6:00-8:30 p.m. (tentative-evening shows will not be fully scheduled until Monday)-Musical variety

8:30-11:00-Newscast, including hall announcements; classical music

11:00-1:00-Newscast; "easy-chair" music, both sweet and popular

FRIDAY AND SATURDAY

10:00-1:00 a.m. - "Date music" (popular)

SUNDAY

(times not scheduled) Soap Opera, Classical music

While the new Bryn Mawr transmitters should enable nearly everyone to listen to WHRC, the station's staff offers a few suggestions for improved reception: try turning the radio's electric plug the other way in the socket, and be sure no other appliances are plugged into that socket when you play the radio.

WHRC

To the Editor:

This is meant to be both an explanation and apology for the fact that Radnor Hall still cannot receive WHRC radio.

WHRC's transmission to Bryn Mawr College is achieved by first sending an audio signal over special telephone lines from our studios at Haverford College to each dormitory at Bryn Mawr. This audio signal is then fed into transmitters at each dormitory, using the AC wiring as the antenna (known as Carrier-Current Transmission). This allows us to reach each dormitory with our signal and still comply with FCC regulations concerning non-licensed AM transmission.

We presently have transmitters working in Rhoads, Rockefeller, Pembroke East and West, Denbigh, and Merion. The problem with Radnor is that the telephone company has no available wires going into Radnor Hall for our use. They are, however, required to supply us with such a phone line, and to do this they are going to re-engineer their wiring at Bryn Mawr College, possibly costing them several thousand or more dollars. We at WHRC have a transmitter waiting to be installed as soon as the phone line is in. The telephone company, to date, has given us no estimation for a completion date for their work, but as soon as it is done, we will install the transmitter.

We hope you will understand this unfortunate and un-anticipated delay.

Sincerely,
Randall C. White
WHRC Technical Director

Undergrad Studies Students' Attitudes Toward Traditions

By Marcia Young

Undergrad President Betsey Pinckney and Harrison Spencer, president of the Haverford student body, are working in the joint councils to study the attitudes of both student bodies toward traditions. Recent events have caused these traditions to be matters of serious discussion by Undergrad.

The best example of good spirit and attitude in a traditional activity, as described by Undergrad President Betsey Pinckney, was this year's Parade Night. In spite of the drought we had one of the best parade nights ever.

Betsey contrasted this to Lantern Night. On Lantern Night forty Haverford men broke through the ushers in the library and climbed to the roof. They stole lanterns, broke windows and further marred the solemn beauty of Lantern Night.

The lanterns cost $5.50 a piece and are difficult and expensive to replace. Betsey also pointed out the humanitarian aspect to the lantern thefts. Girls were denied the privilege of putting their lanterns on the mantlepiece in traditional form. One girl's fingers were cut when her lantern was snatched from her hand.

However, Undergrad does not consider BMC blameless. Several Bryn Mawr girls went to Haverford Columbus Day to be "vestal virgins." Undergrad felt that this, like last year's Mayday riots, does not show the supposedly mature thinking of a Bryn Mawr girl.

---

oms. Much of the dialogue par- lied television slogans, which was ten quite amusing.

Milne's "Expedition to the North ole" from "Winnie the Pooh," as the basis for Merion's play. was lightly done and directed ell, but it is difficult to stage uch a story when everyone in the udience has his own conception f each character.

Denbigh presented a topical satire, "The Reluctant Mawrter," on the escapades of a Freshman from Muckra Junior College finding herself misplaced among Bryn Mawr freshmen.

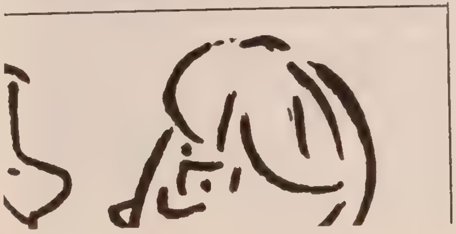
The hall plays demonstrated originality, fine comic talent, and imaginative direction. If last weekend's plays are any indication, Freshman Show will be something well worth waiting for.

K.M. A.L.

Unique Office Supply Co.
Office & School Supplies
Greeting Cards

26 N. BRYN MAWR AVE.
BRYN MAWR, PA. LA 5-9845

Kitty McLean
SPORTSWEAR
SKIRTS BLOUSES
JUMPERS
Bryn Mawr, Pa.

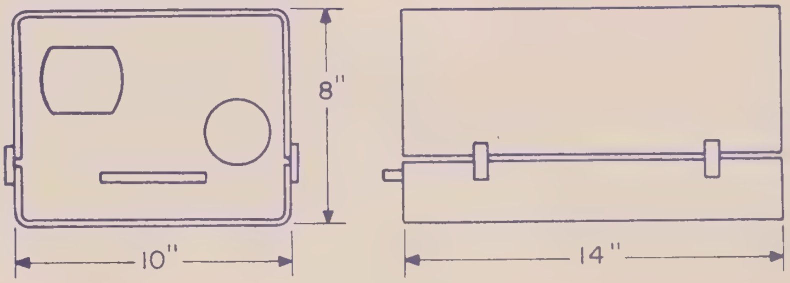


LOW POWER LPB BROADCAST

RC-25B 20 WATT AM Broadcast Transmitter

PERFORMANCE SPECIFICATIONS

POWER OUTPUT	20 watt output carrier
OUTPUT IMPEDANCE	50 ohm coaxial, S0239 conn.
AUDIO INPUT	600 ohm balanced audio line at -15db
AUDIO DISTORTION	less than 2% at 85% modulation, 50 Hz to 15 KHz
NOISE LEVEL	at least 50 db below full modulation
AUDIO RESPONSE	down 3 db at 35 Hz and 13 KHz
POWER INPUT	approx. 150 watts at 117v AC 50/60 Hz



The RC-25B AM Broadcast Transmitter is designed for carrier-current or limited-area broadcast requirements to provide strong signal coverage for living group broadcasting to a large apartment building, a high-rise or, using power splitters, to as many as five separate buildings.

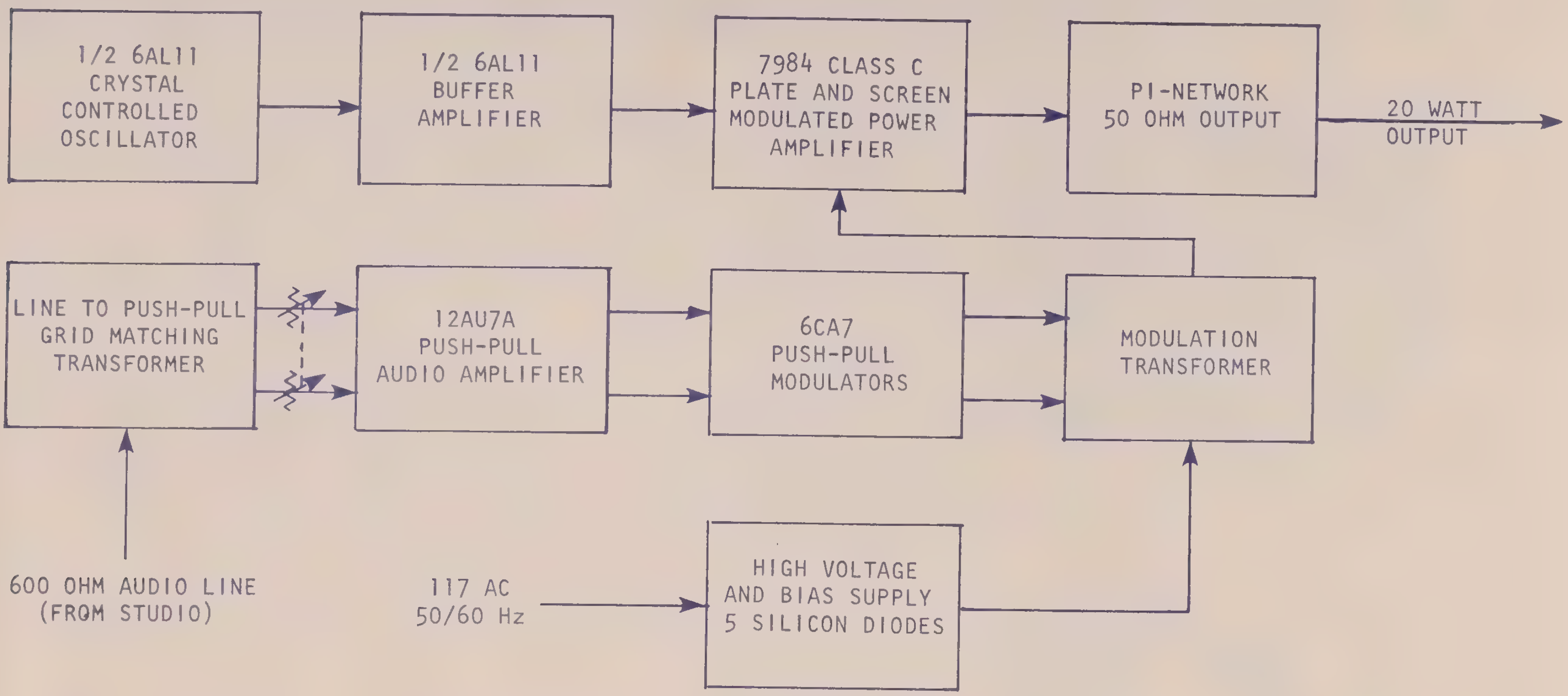
The circuits employed in the RC-25B Transmitter are straightforward for maximum reliability and ease of maintenance, and have been thoroughly field proven in hundreds of units which have been in use for over 5 years. The 50 ohm pi-network RF output provides great flexibility of load matching together with excellent harmonic rejection. The modulator is push-pull throughout for top quality performance without balancing adjustments and utilizes a broadcast-quality line input matching transformer. Silicon rectifiers are used throughout the power supplies. An inspection of the quality of all components and of the assembly and mechanical quality employed will show the RC-25B Transmitter to be an item of uncommon quality and value.

When applied to a high-rise building, the 20 watt output is usually split into three or four equal segments using an RC-T1 Power Splitter, and is then routed to several coupling points at a distribution of floor levels for subsequent coupling with RC-T2 Matching & Coupling Units. With a building complex on the same or different AC power distribution transformers, a similar approach is used to provide good signal uniformity. Coaxial cable, preferably type RG-8/U, is necessary for routing the RF energy from the RC-25B.

The unique, accessible snap-apart cabinet has overall dimensions of 8" H, 10" W and 14" D. Weight is 27 lbs. The panel, chassis, brackets and cabinet are hardened aluminum with a five-step finishing process producing an extremely durable textured finish in contrasting light and dark blue.

Each RC-25B Transmitter is supplied with a convenient spiral bound OPERATION AND APPLICATION MANUAL. A circuit diagram specifying typical operating voltages and currents and a description of the operating principles of each portion of the circuit are included. Set-up and checkout procedures are also detailed. An extensive appendix contains discussions of many facets of typical applications, such as distribution and coupling techniques, frequency selection and changing, carrier-current hum sources, etc. . . references to other applicable publications are given.

SIMPLIFIED BLOCK DIAGRAM


1/2 6AL11 CRYSTAL CONTROLLED OSCILLATOR
1/2 6AL11 BUFFER AMPLIFIER
7984 CLASS C PLATE AND SCREEN MODULATED POWER AMPLIFIER
PI-NETWORK 50 OHM OUTPUT
20 WATT OUTPUT
LINE TO PUSH-PULL GRID MATCHING TRANSFORMER
12AU7A PUSH-PULL AUDIO AMPLIFIER
6CA7 PUSH-PULL MODULATORS
MODULATION TRANSFORMER
600 OHM AUDIO LINE (FROM STUDIO)
117 AC 50/60 Hz
HIGH VOLTAGE AND BIAS SUPPLY 5 SILICON DIODES

Since 1960 LPB has been a world-wide supplier of equipment for limited area AM broadcast applications. This unparalleled practical experience is reflected in all of our transmitters, couplers, power splitters, amplifiers, etc. . . and, as our experience grows, mechanical and electrical features are continually improved for increased product quality, performance, reliability and durability, *AND*, our equipment is designed to operate at conservative ratings, not at upper performance limits which shorten component life.

LPB has supplied thousands of limited area transmitters and related equipment for every type of broadcasting requirement. Our equipment is used at colleges, military bases, apartment complexes, sports stadiums, retirement communities, construction projects, to name just a few. Our product reliability is exemplified by our unprecedented one year guarantee during which time we repair - *free of charge* - *ANY* malfunction or failure which may result from normal use even including the replacement of tubes, semi-conductors and crystals. This is not to be confused with typical guarantees against only defects in material and workmanship.

LPB considers its equipment to be only a part of the product offered. Another invaluable part is *application engineering assistance*. Available both before and after any sale, this assistance is essential to a wise choice of equipment and to insure proper equipment application. We invite you to contact us wi questions.

LPB LOW POWER BROADCAST CO.
520 LINCOLN HWY., FRAZER, PA. 19355 (215) 644-4096

DISTRIBUTORS OF PROFESSIONAL AUDIO EQUIPMENT TO THE BROADCAST INDUSTRY:

AMPEX
Audio Devices
CBS LABS
ElectroVoice
FIDELIPAC
GRAY RESEARCH
Magnecord
METROTECH
QRK
REK-O-KUT
Russco
Scully
SHURE
SPARTA
Spotmaster
STANTON
TEAC
UHER

NEW PRODUCT ANNOUNCEMENT

S·2 AUDIO COMPRESSOR/LIMITER

LPB
INPUT LEVEL
COMPRESSION THRESHOLD DB
OUTPUT LEVEL DB VU
ON
LOW POWER BROADCAST CO

a compressor AND a limiter for about HALF the competition's price for JUST ONE .... **$475⁻**

An audio compressor gives a substantial effective increase in transmitter signal strength by raising the average volume level of program content. Using a limiter reduces received signal distortion by preventing overmodulation as a result of the console operator's inattention to console gain levels. The new S-2 achieves both of these companion objectives in a single package.

Specifications:

Limiter:	Attack time constant	instantaneous
	Recovery time	10db/second
	Absolute limiting point	+11db VU peak power
Compressor:	Attack time constant	0.66 seconds
	Recovery rate	2db/second
	Compression rate	$2:1 \Delta db \; P_{in}/P_{out}$
	Compression threshold	variable -40 to -10db VU

Maximum input signal:	+24db VU
Output noise:	at least -65db with no input
Distortion at max. output:	less than 0.25%
Frequency response:	-0.7db at 20Hz and 20kHz
Common mode rejection:	minimum of 60db
Input impedance:	600 ohms balanced or 13k ohms bridging
Output impedance:	600 ohms balanced
Input attenuator:	variable, +8dbm to -2dbm
Output attenuator:	variable, -6dbm to +4dbm
Electronics:	All silicon solid state with regulated power supply and precision resistors in critical circuits.
Power requirements:	10 watts, 105-135v AC, 60Hz
Size:	3 1/2 inch standard relay rack, 4 inch depth

LPB

LOW POWER BROADCAST CO.
520 LINCOLN HWY., FRAZER, PA. 19355 (215)644-4096

AMPEX Audio Devices CBS LABS Electro-Voice FIDELIPAC GRAY RESEARCH Magnecord METROTECH QRK REK-O-KUT Russco Scully SHURE SPARTA Spotmaster STANTON TEAC UHER

Vice-president in charge in Promotion

Dear Sir:

As business manager of WBMC, Bryn Mawr College radio, I am requesting that we be placed on the record promotion list of your parent company and its subsidiaries. We feel that this would not only be beneficial for us, but also for your company. WBMC in cooperation with WHRC, Haverford College radio, broadcasts 24 hours a day, seven days a week. During the live broadcasting hours a wide variety of music is played ranging from classical to jazz to show tunes to dance music to rock and roll. All disc jockies announce the manufacturer's name of the record about to be played. We feel that this would be an excellent advertising outlet for your company to an audience of demonstrated high record purchasing potential.

We do hope that this proposal meets with your approval. If affirmative in reply, would you please send the records to me

Andrea Post, Business Manager
WBMC
Bryn Mawr College
Bryn Mawr, Pennsylvania 19010

Thank you for your consideration of our request.

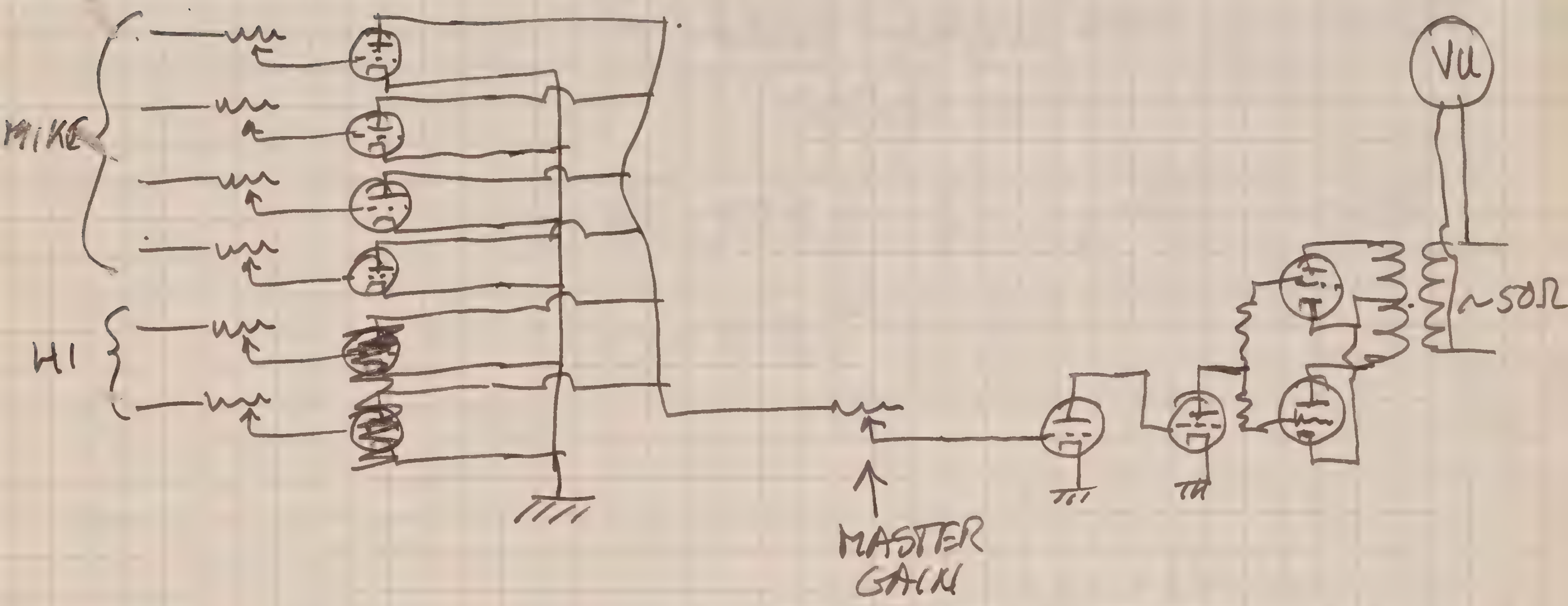
Sincerely yours,

Andrea Post, Business Manager
WBMC

Kapp Records
136 E. 57th Street
New York, New York 10022

REMOTE MIXER - AMPLIFIER PRELIMINARY DESIGN SPÉCS

4 MIKE INPUTS - 50-150-250-HI Z IMPEDANCE
2 HI LEVEL INPUTS - HI Z
1 MASTER GAIN CONTROL
1 MASTER VU METER ($4\frac{1}{2}$")



EST. PRICES.

VU METER —	~	25^{00}
OUTPUT TRANS —	~	10^{00}
OUTPUT TUBES —	~	5^{00}
6 PREAMP TUBES —	~	8^{00}
CONTROLS	~	8^{00}
CAPAC. & RESIS.	~	10^{00}
HARDWARE	~	5^{00}
CABINET (BUD)		12^{00}
		83

W H R C Haverford, Pennsylvania

Commercial Broadcasting Contract

____
Date

AGREEMENT between ________________________ called advertiser and RADIO STATION W H R C HAVERFORD COLLEGE STUDENT'S ASSOCIATION called station to broadcast: ________________ (# units) ________________ (type units) between dates ________________ and ____________________ inclusive.

Commercial Unit Distribution

Monday	Tuesday	Wednesday	Thursday	Friday

Total # commercial units: ________

Rate per unit : ________

Total Rate : ________

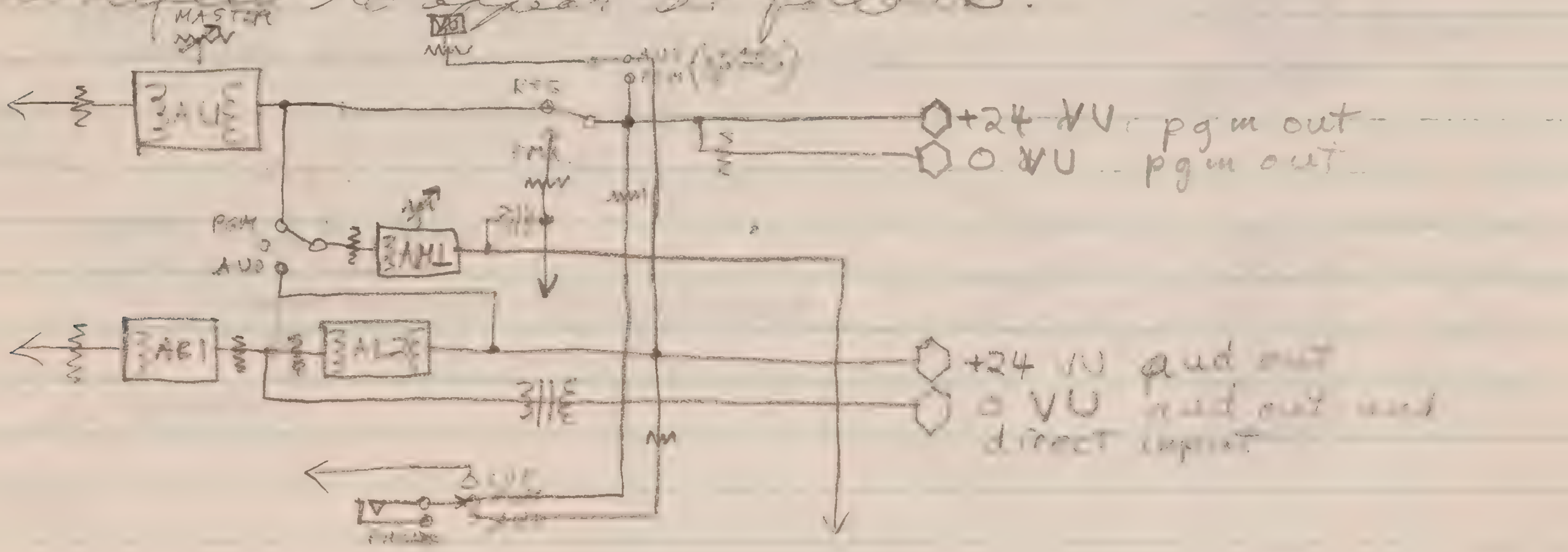
____
(for WHRC)

____
(Advertiser)

Advertiser's
Address: ____________________

____

I Could another MI700 pgm amp be installed to the left of the present one, ~~and be connected in place of the present audition booster amp. In this case the audition output would come from the amp instead of directly from the bus and one of the spare switches on the front panel would be connected to~~
If this were done the output circuits would be modified to appear as follows:


MASTER
VU
AUD
PGM
REC
AL1
AM1
AB1
AL2
PGM
AUD
+24 VU pgm out
0 VU pgm out
+24 VU aud out
0 VU aud out and direct input
CUE

Obviously this would require a certain amount of rewiring, but it seems the only components needed are the MI700 and a transformer for the audition output (as it should be balanced

II. Can the transformers coming from the control center to the faders be connected so as to allow all the 12 turntable/tape inputs to be balanced?

III. How difficult would it be to reroute the line from the 5 keys controlling the remote outputs to the control center. We moped lines to get the [illegible] the board so as to insert equalization.

II amp right?

MAJOR NEW EQUIPMENT NEEDED (excluding misc. hardware and cables)

GATES

"Producer" mixer	$695.00	
speaker transformer	3.95	
relay rack	75.00	approx
1 strip of jacks for patching	52.50	approx
"Ambassador" console	2495.00	
microphone preamp	37.00	
2 turntable control relays	39.00	
2 relay racks	150.00	approx
2 jack strips	105.00	
3 turntables	900.00	
3 cartridge players	2175.00	
1 record unit (in Library)	365.00	
Sony 777-S	700.00	approx
2 intercom units	122.00	
	$7964.45	

RCA

remote line equalizer	$39.75
4 headphones	22.00
3 12" turntable arms with cartridge	356.25
3 turntable preamps	447.00
	$865.00
5% discount	-43.25
	$821.75

MISC.

control box in Library	$20.00
control box in Booth	30.00
On-The-Air signs and relays	150.00
	$200.00
	$8986.20

LIB	
MON	140
CTL	
PRESID.	3150
PREAM.	174
T-T RLY	39.
2 JACK STRIPS	105
3 TT	900
2 CART PLAY.	1450
1 REC	365
SONY 777	700
1 I/C	61
	7084
REY EQUAL	39.75
3 PHONES	16.50
3 ARM & CART	356.25
3 PREAMPS (TT)	442.00
	859.50
5% DISC	42.97
	816.53
CTL BOOTH	30.00
ON-AIR	100.00
	130.00
	8030.53

— TT & ARMS, 1 JACK STRIP

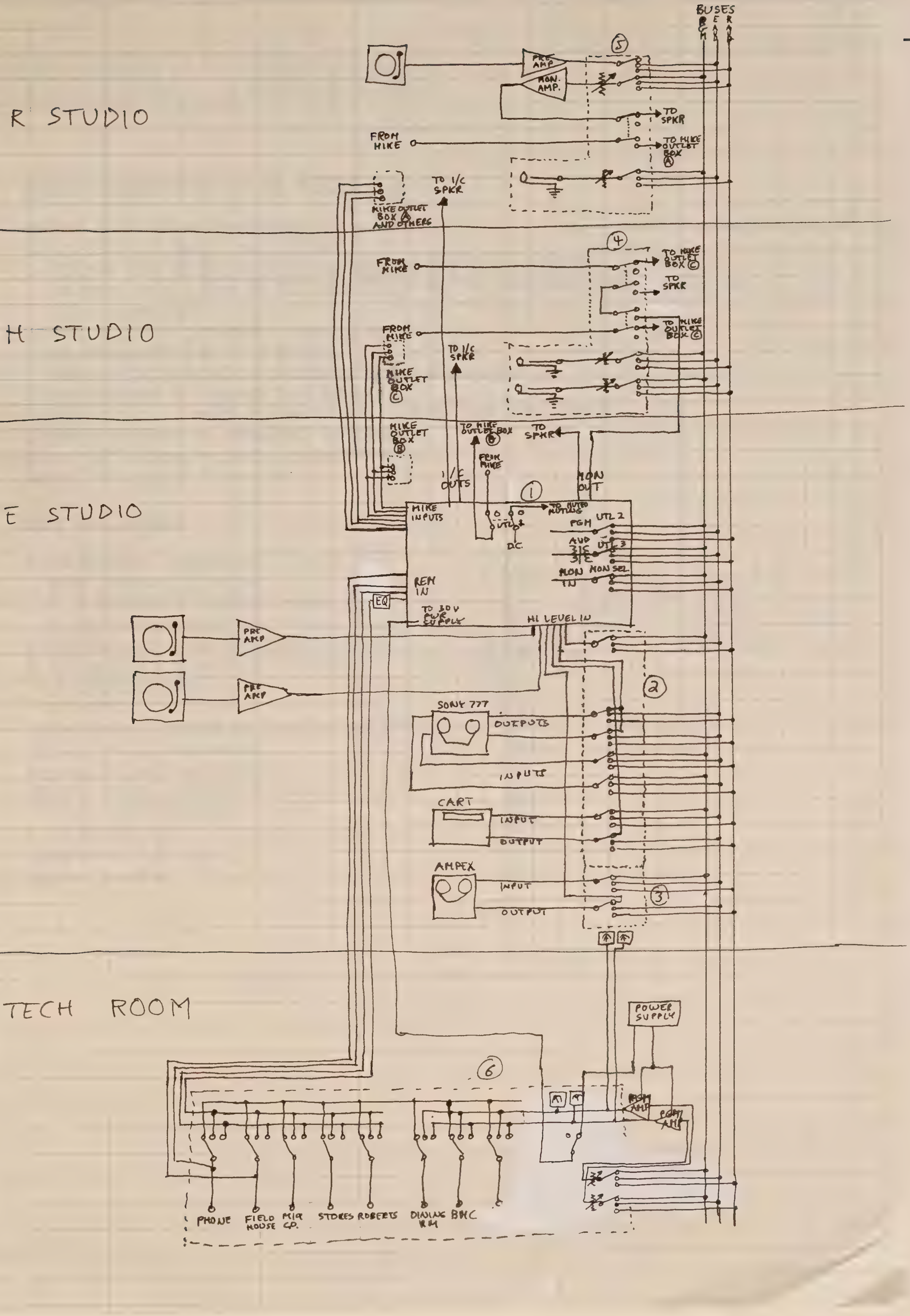
900
356
52.50
1308.50

6722.03

USING AMBASSADOR, — SONY — MON AMP

655
700
140
1495

5227.03


BUSES
PGM
EAR
RAR
R STUDIO
⑤
PRE AMP
MON. AMP.
TO SPKR
FROM MIKE
TO MIKE OUTLET BOX Ⓐ
MIKE OUTLET BOX Ⓐ AND OTHERS
TO I/C SPKR
H STUDIO
④
FROM MIKE
TO MIKE OUTLET BOX Ⓒ
TO SPKR
FROM MIKE
TO MIKE OUTLET BOX Ⓒ
MIKE OUTLET BOX Ⓒ
TO I/C SPKR
E STUDIO
MIKE OUTLET BOX Ⓑ
TO MIKE OUTLET BOX Ⓑ
TO SPKR
FROM MIKE
I/C OUTS
MON OUT
①
MIKE INPUTS
TO MUTED MUTING
UTL 1
D.C.
PGM
UTL 2
AUD
3|C
3|E
UTL 3
MON IN
MON SEL
REM IN
EQ
TO 30V PWR SUPPLY
HI LEVEL IN
PRE AMP
PRE AMP
②
SONY 777
OUTPUTS
INPUTS
CART
INPUT
OUTPUT
AMPEX
INPUT
OUTPUT
③
TECH ROOM
POWER SUPPLY
⑥
PGM AMP
PGM AMP
PHONE
FIELD HOUSE
MIQ GP.
STORES
ROBERTS
DINING RM
BHC

WHRC
Haverford College
Haverford, Pa. 19041

MAJOR EQUIPMENT TO BE RETAINED

Ampex 602 tape recorder
Sony 777-S4 tape recorder
Collins/ATC P150 and A150 cartridge tape units
  above two (the P150 and 777) to be remote controlled by the console
Gates M5576B program amplifier
2 desk-mount relay racks
3 Rek-o-Kut Rondine turntables with arms
microphones of assorted types
2 Wolverine 2-way speakers (in our own cabinets), 12"
Jensen Concerto speaker system
Eico 377 Sine/square generater
Eico 460 Oscilloscope

NEW EQUIPMENT

Ambassador console M5564B	2595
mic preamp M6034	87
2 turntable relays M6462	39
2 intercom (GRS-800 + EW8-8A + xformer)	30
monitor amp for library M6108	150
3 turntable preamps M6244	345
3 cartridges	60
2 styli	20
mike keys, monitor controls, etc.	50
relay rack hardware	50
repairs for Sony 777	100
phone line installation	55
line equalizer	40
4 headphones	22
Simpson 313 VOM	100
spare parts	100
	$3945

Haverford College
Haverford, Pa. 19041

WHRC 640
THE FIRST RADIO VOICE OF THE DELAWARE VALLEY

MI 9-1200

SOUND REPRODUCTION, INC.
436 CENTRAL AVE., EAST ORANGE, N. J. 07018
Phone (201) 673-0600

QUOTATION

Charles Hedrick
WHRC
Haverford College
Haverford, Pa. 19041

QUANT.	ITEM	PRICE	
3	AR4X oiled wal.	132	00/3
1	Dynakit Mk. IV 40 w. power amp kit	45	00
1	Dynakit Mk. III 60 w. power amp kit	62	00
	cartridge list enclosed.		

PLEASE KEEP OUR QUOTATION CONFIDENTIAL

DATE 12/20	SIGNED BY	TITLE

● ORDERING INFORMATION

Please use enclosed order blank. Do not include shipping charges, except for postage on small items such as cartridges, earphones, etc., when ordered separately. RETURN QUOTATION WITH ORDER.

Shipment will be made by least expensive carrier, consistent with safety of merchandise. Each shipment is insured for the full purchase price.

Acknowledgement with shipping date will be sent as soon as we receive your order.

● TERMS

Full payment with order or 25%, balance C.O.D. Full payment saves you C.O.D. fees. Prices F.O.B. Newark, N. J.

● YOUR GUARANTEE:

All equipment is absolutely brand new in factory sealed cartons, including all manufacturers' warranties. You will receive exactly what you order — no substitutes. We are franchised distributors for over 60 leading manufacturers, assuring you of full warranty protection.

● OUR REFERENCES:

Dun & Bradstreet.
National Newark & Essex Bank, Pompton Ave., Cedar Grove, N. J. Or any manufacturer listed on our order blank.

SOUND REPRODUCTION, INC.
436 CENTRAL AVE., EAST ORANGE, N. J. 07018
Phone (201) 673-0600

PRICE LIST

CARTRIDGES, HEADPHONES, TAPE

EMPIRE

999VE	46.00
888VE	26.50
888TE	22.50
888E	17.50
808E	15.75
888	14.50
808	12.00

PICKERING

XV-15/750	31.50
XV-15/AME	21.50
XV-15/ATE	20.50
XV-15/ACE	17.50
V-15/AME-3	18.50
V-15/ATE3	16.50
V-15/ACE-3	13.50

ADC

10EII	32.50
Pt. 4E	19.50
660E	15.95
550E	14.75
220	8.50

GRADO

BTE	14.90
BTR	8.50

HEADPHONES

Koss PRO-4A	34.50
Koss KO-727	26.80
Koss K-6	18.90
Koss SP3XC	17.90
Superex ST-PRO-B	38.50
Superex ST-M	24.90

SHURE

V-15II	write for price 48
M80ED-19	21.00
M75E	17.95
M91E	19.50
M92E	17.50
M93E	15.75
M55E	14.75
M44E	14.50
M7/N21D	10.00
M44-C	11.75
M44-7	11.50
M44-5	12.00

BASF CASETTES

(per 10, intermix o.k.)

C-60	19.50
C-90	30.50
C-120	37.50

BASF TAPE

(per 10 reels; may be intermixed)

LGS 35, 7",1800'	33.50
LGS 26, 7",2400'	46.50
PES-18, 7",3600'	70.50

Pickering

Empire

ADC

Shure

KOSS

SUPEREX

All prices on this sheet include postage.

SOUND REPRODUCTION INC.

436 CENTRAL AVE., EAST ORANGE, N.J. 07018 - (201) 673-0600

ORDER BLANK

Date ....

Name ....

Address ....

City .... State .... Zip ....

Quantity	Mfr.	Model Number	Finish	Prices	
			TOTAL AMOUNT ENCLOSED		

- **ALL EQUIPMENT GUARANTEED BRAND NEW IN FACTORY SEALED CARTONS . . . WITH MANUFACTURER'S WARRANTY**

We are franchised distributors for most major manufacturers including:

SHERWOOD
FISHER
DUAL
B.S.R. McDONALD
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PANASONIC
TELEFUNKEN
KOSS
WHARFEDALE
ACOUSTECH
AUDIO DEVICES
ROTRON
SHURE
LEAK
MAGNECORD
ACOUSTIC RESEARCH
JANSZEN
SUPEREX
TEAC
DYNAKIT
E.M.I.
VIKING
REK-O-KUT
BOGEN
ELECTRO-VOICE
ROBBINS
EICO
B.A.S.F.
SHARPE
EMPIRE
HARMAN-KARDON
A.D.C.
NORELCO
UNIVERSITY
JENSEN
GRADO
ROCKFORD

- **ORDERING INFORMATION:**

List items ordered in space above. Do not include shipping charges, except for small items such as cartridges, earphones, etc., when ordered separately. Please return quotation with order.

Shipment will be made by least expensive carrier, consistent with safety of merchandise. Each shipment is insured for the full purchase price. Acknowledgement with shipping date will be sent on receipt of order.

- **TERMS:**

Full payment with order or 25%, balance C.O.D. Full payment saves you C.O.D. fees. Prices F.O.B. Newark, N. J.

- **OUR REFERENCES:**

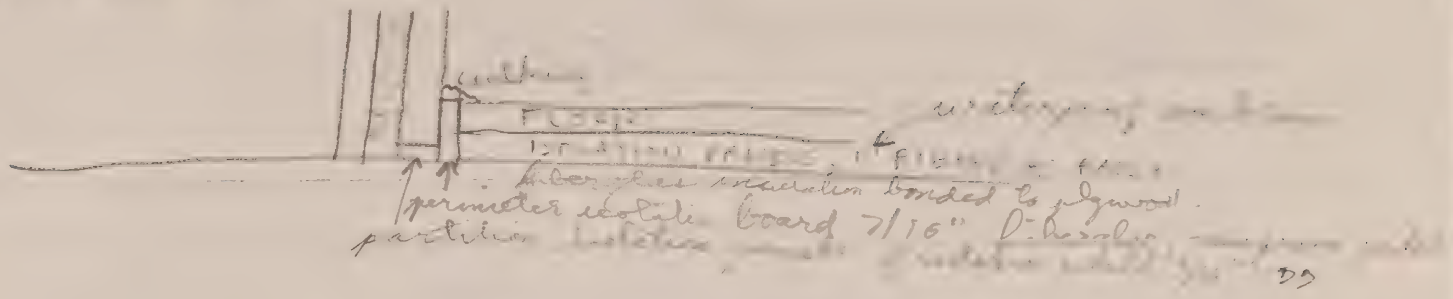
Dun & Bradstreet.
National Newark & Essex Bank, Pompton Ave., Cedar Grove, N. J. Or any manufacturer listed on our order blank.

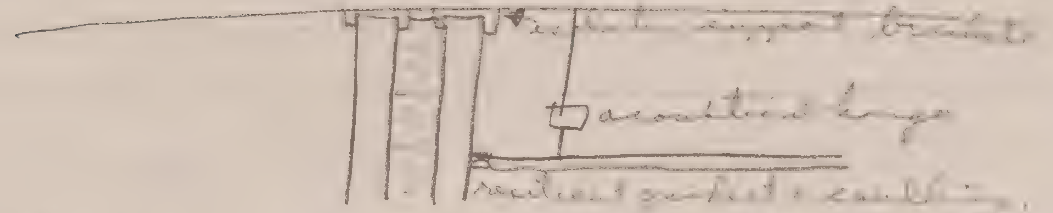
STORE HOURS: 9:30 to 5:30 daily, 9:30 to 4:30 Saturday.

We are 7 blocks west of Exit 145, Garden State Parkway. Free Parking at rear of building.

[illegible]

Consolidated Kinetics


ceiling
waterproof ...
FLOOR
FLOATING FRAMES
1" FIBRE ...
fiberglass insulation bonded to plywood.
perimeter isolation board 7/16" fiberglas
partition isolation


isolation support bracket
acoustical hanger
resilient gasket & caulking

drains & pipes etc. going through floor or wall properly gasketed & isolated

Mason Industries, Inc. as above w/ diff. design.

Proudfoot Co. — licenses soundblox, concrete block, 6" thick thinnest

Ceiling suspended acoustical tile. Fire resistant, sound absorbing, w/ built-in air ducts & lights

Con. FM requires 36 hrs/wk 6AM–midnite not less than 5 hrs/day any one day.

50 watt Ed. need log, freq & modulation station knowledge of rules. [illegible] entries in log of readings every 30 min

Gentlemen:

WHRC [illegible] in the process of making a final proposal to the Haverford College administration for equipment to be included in a new ~~studio~~ set of studios. I would appreciate it if you would send me a proposal to cover the electronics for them. (We already have turntables, tape decks, etc.) I would also appreciate it if you would include those spare parts which are most likely to be needed to service the equipment you recommend. (We prefer to send equipment back to the manufacturer if possible. The parts that would concern us most are those that would be likely to go suddenly and that are in units of which there is only one in the system.) If you have any particular pieces of test equipment that you have found especially useful for servicing your equipment, we would appreciate hearing about them, but you need not feel obligated to include those in your estimate. The specifications of our system follow. I have enclosed one list of equipment we have thought about. We are not, however, completely happy with it as it does not give us quite as much mixing capability in the library as we would like, and there are too many elements in the system whose failure could put us off the air (e.g. the console power supply.) I have not seen any way to solve these problems within our budget, however.

① We want all equipment to be transistorized and of broadcast quality. We like the idea of plug-in modules, since if a key component fails we can replace it with another of the same module from a less critical location and repair it at our leisure.

② We have an absolute limit of $4500 for the components you would be supplying, and we would prefer that you try to stay under $4000.

③ You are asked to propose electronics only (console, preamps, line amp's, etc., and such things as [illegible] remotes which are directly connected to them) for these studios:

E studio: A control studio with 2 turntables, 2 tapes,

a cartridge tape machine, remote, and a moderate number of unassigned hi-level channels for future expansion. There will be one microphone in this studio and the monitor speaker will be our present Jensen "Concerto" 3-way system if the monitor amp has enough power to drive it.)

H studio: An announcer's studio with two microphones, an intercom, and a monitor speaker (A 12" Wolverine dual speaker) hopefully to be driven by the E-studio console monitor amp.

R studio: A record library, with provision for auditioning records on a separate turntable. The monitor speaker (a Wolverine as above) is to be driven from its own monitor amplifier switchable between the library turntable and program (also E-studio audition if this is not difficult). The studio is also to be used for chamber music ensembles, panel discussions, etc. and should have at least 3 microphones and an intercom unit.

THE FLOOR-PLAN

I have suggested a control studio, an announcer's booth, a record library, an office, and quarters for the technical department. Not knowing how much space you would have available, I have tried to keep the size of rooms to a minimum. If more space is available, each of the rooms could benefit by enlargement. I believe that the necessity for a room in which to do repairs and store electronic equipment, as well as one in which to do clerical work and store station records, stationary, etc., is apparent. Hence I shall not comment on the office and tech room. This particular arrangement of the control room, booth, and library, does need some comment, however. The control room is the place from which the majority of live broadcasting originates. In a typical show there is one person sitting at the consloe who must cue and put on the records or tapes having the music he wishes to play, as well as announce the selectijons and handle station identifications and commercials (which are usually on tape cartridges). Thus it requipes a control console, a microphone, two turntables, two tape recorders, and (preferably) two tape cartridge players, as well as facilities for handling remote sports broadcasts, speeches, concerts, etc. The plan I have drawn arranges all of the necessary equipment in a convenient horseshoe arrangement around the broadcaster, with the tape recorders, cartridge tape players, and patching facilities in the two racks shown at the ends of the counter. (A similar arrangement is used in the production area of the library.) The counter should preferably be a heavy wooden structure of the type in the present WHRC E studio. Various companies make metal furniture for this putpose, some of which would also be satisfactory.

The announcer's booth is used for new and other production work when it is necessary that the control engineer be free of concerns about having a live mike in the room with him. It is also used for shows having more than one DJ at the same time.

The library as shown here serves several purposes. First, there must be an area in which to store records, with facilities for broadcasters to listen to records before their shows to choose which ones to air. Second, we need a place where groups of people can gather. We often have a number of the broadcaster's friends gather in the station to watch his show. They should be able to go somewhere where there are no live mikes around. Also, we have in the past had panel discussions too large to hold in an announcer's booth. These would be well fitted to the informal setting of a group of chairs with a small couch in the library. Third, we often need to do production work (making station I.D.'s, sign-ons, commercials, etc.) While this could be done in the control studio, having the facilities separated allows it to be done without interfering with normal programming, and also provides us with an alternated control studio in case of technical difficulties in the main one. We suffered a serious set-back this year when such difficulties in our only control studio forced us to shut down once.

I assume that if you decide to build studios, you will have the services of an archetect who knows something about broadcast studios. Needless to say, soundproofing needs to be done on the walls, ceilings, doors, and windows, of the three rooms with microphones in them. This is shown on my plan by double-thikness walls and double windows. Also, some considerations should be given to avoiding echoes. As amny irregularly-shaped suffaces as possible should be used, and carpeting, acoustical tile, sound curtain, etc., should be used where needed. A certain amount of help in these areas is available in the handbook of the National Association of Broadcasters.

EQUIPMENT

To use completely broadcast studio equipment would cast over $15 000, the difference with what I propose being in tape recorders and microphones. If this does not bother you, I would be happy to give you the details on what equipment should be changed in the list I have given. However, I have attempted to reach a compromise between this and home hi-fi equipment. The difference between broadcast and hi-fi equipment is in the fact that the former is conservatively engineered. Hi-fi equipment generally has specifications at least as good as the corresponding broadcast equipment. However, the home equipment will deliver the rated performance only under ideal conditions and one is much more likely to receive a lemon, which it may be impossible to correct. Professional equipment is designed to deliver specified performance under continuous operation and other adverse conditions. For example, in our Gates program amplifier, we once measured all the tubes as dead on a tube tester, but it still worked fine.

For the control consoles and associated hardware, we are forced to buy broadcast equipment, because such things do not exist in homes. The Gates' "Producer" is a four-channel console designed specifically for what we have in mind in the library. It is all solid state and at its price I have no hesitation at all in recommending it. I know of no other manufacturer that comes near to this price for such a unit. For the console in the control studio. I have suggested one of a relatively new type of console. It is a small, but ultra-flexible unit. Its 5 mixing positions are utilized in such a way that they would be more useful to us than the standard 8-position on the Gates "Yard" or equivalent. It also has built-in cue, intercom, and talk-back facilities. It is also less expensive than a traditional 8-channel unit of similar quality. ($2585 vs. $2950 for the Gatesway II") All of these units are solid-state. There are also tube-type 8-channel consoles, e.g. the Gates "Yard" or RCA "BC-8C", both a bit under $1700. But the fact that these lack some of the built-in features of the others and that they are tube equipment makes it likely that they would not pay off in the end.

I have suggested replacing our present turntables with broadcast quality turntables. While this is not absolutely necessary, enough of our sound comes from records that it would seem reasonable to have them of relativelyhigh quality. More

necessary, however, is new tone arms. We now have problems with people dropping the stylus on empty turntables or inadvertantly knocking them off the record. The RCA tone arms recommended are protected against such accidents. New preamps are necessary to match a commercial board (only home-made boards can operate without external preamps). RCA was chosen because of its low cost.

We presently have three tape recorders. One, an Ampex 601, should be retained as the recorder in the library. The Sony 777-S should be overhauled and used in a rack mounted position in the control studio. Our old Magnecord 100 has spent the last 18 months commuting between Haverford and the factory, and I believe sould be replaced. I suggest getting anouther Sony 777-S, or possibly the new transistorized version of the Revox Mark III. We have had some bad luck with the Sony, but that may be mostly our fault for attemption reparis ourselves. It seems to me to be acceptable for out purposes, although its magnetos make more noise than I like in a studio.

We now have one cartridge machine, which we find indispensible for all shows. Unfortunately, not only is it old (it was bought used), but the NAB standards have changed since it was built an d it is non-compatible with present-day equipment. I have suggested getting two new playback-only units for the control studio and one record/playback unit for the library, to use in producing new cartridges. While we are now operatng with only one unit in the control studio, we feel that if we are to get commercilals, two will be needed. It is, of course, a bad idea to have only one of anything in the control studio, as we know anything will break down occassionally, and a breakdown of one's only cartridge machine is a serious problem. The price differences among cartridges are not great, so I have chosen what I believe to be the best one. I should note that broadcast cartridge machines are not the same as the more widely known home or auto 4- and 8-track cartridge units. The latter have no place in a broadcast studio.

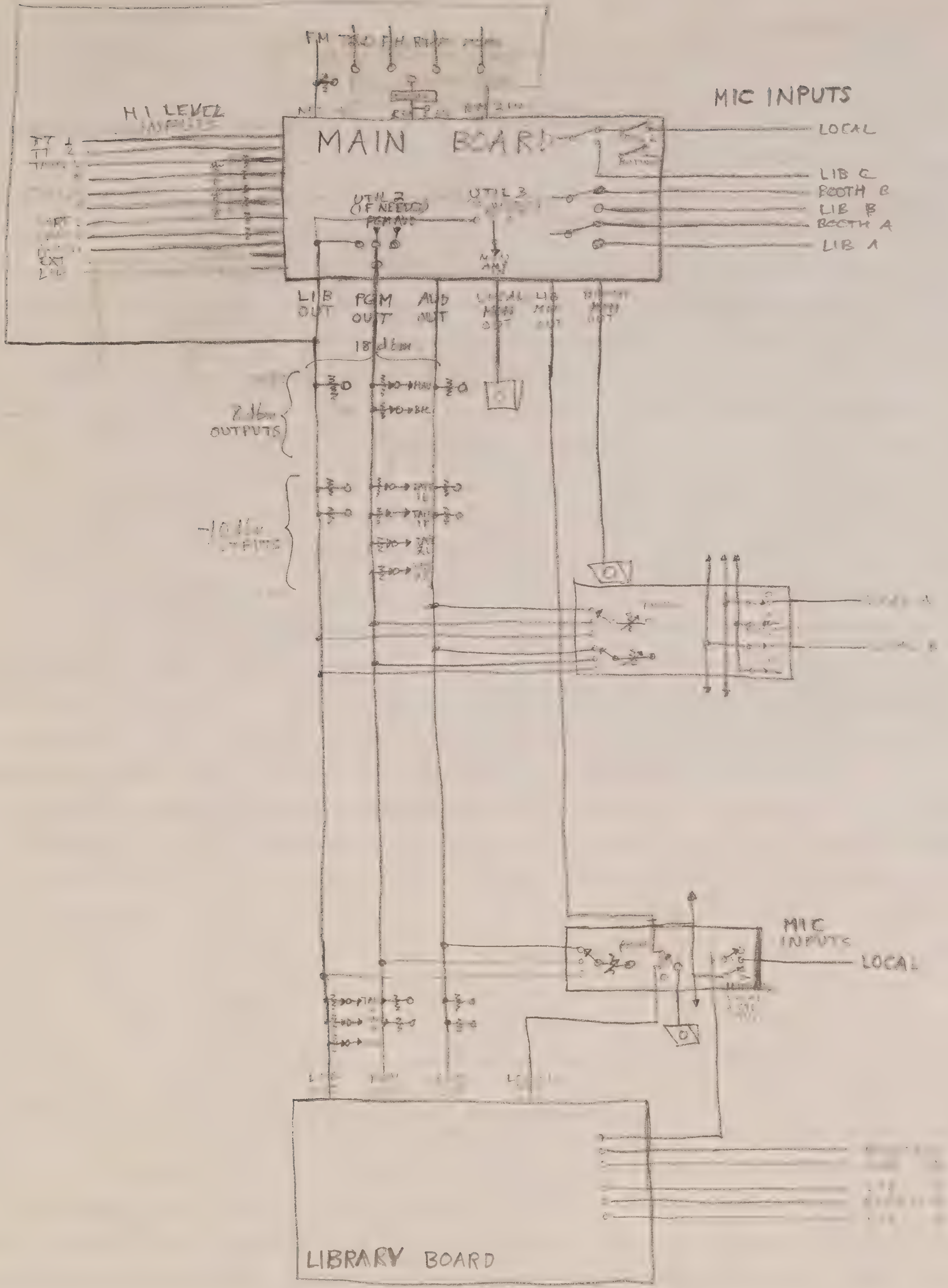
You might be interested that I asked each company I wrote to whether they gave discounts to educational institutions. RCA gives 5% discounts, and Gates said they would pay transportation charges for us. I might note that Gates is in Illinois, while RCA's Broadcasting Division is just across the river in Camden.

IS THIS ALL ?

The obvious question after this is "After we have given you all of this, would you be satisfied?" First, as this is just preliminary, I have not made all the investigations necessary. There is some possibility that the consoles may not have enough power to drive our present monitor speakers. In this case new speakers or 2 power amplifiers would be needed. This should not be more than $200. Also, we may eventually need more or better microphones, but I would think this could be taken care of in our regular budget.

More serous is the qestion of maintainance and, especially, depreciation. The reason we are now in such a situation that I

am anxious to abandon our present equipment is that depreciation has not been considered a legitimate expense. This set of equipment will have a lower yearly maintainance cost than what we have now. But if we are not allowed to write off a realistic percentage of our total investment each year and put it in a sinking fund, we will just be back at some time in the future asking for a new set of equipment again.


FM
MIC INPUTS
H I LEVEL
INPUTS
TT 1
TT 2
EXT
MAIN BOARD
UTIL 2
(IF NEEDED)
PGM AUD
UTIL 3
LOCAL
LIB C
BOOTH B
LIB B
BOOTH A
LIB A
LIB OUT
PGM OUT
AUD OUT
LOCAL MON OUT
LIB MON OUT
18 dbm
OUTPUTS
MIC INPUTS
LOCAL
LIBRARY BOARD

WHRC

HAVERFORD COLLEGE
HAVERFORD, PENNSYLVANIA

Do you know who this is?

BMOC

Station Manager	Nat Merrill	Day.	Mi-2-1461
Program Director	Bill Tyson	WH	Mi-2 9428
Technical Director	Richard Cohen	MA	Mi 2 9561
Chief Engineer	Seth Gibson	32 L	Mi 2 9713
Production Mgr.	Dave Potter	51L	Mi.
Secretary	Win Hall	31 L	Mi 2 9713
Treasurer	Rolland Henderson		
Great Music	Walter Langsam	31 L	Mi 2 9713
Special Events	Jake Johnson	55L	MI-9-0729
Sales			
Record Librarian	Don Cone	716	
Faculty Advisers	Tom Benham		Mi 2- 6044
WBMC			La 5 2751
Parts Dist., Resco			Lo 3 5840

1st Floor Barclay — MI 2-9459
2nd " " — MI 2-9508
3rd " " — MI 2-9506

Langsam

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

MINUTES OF FEB. 7 BOARD MEETING

Morrison ,Reeves, Bolgiano, Helweg, and Flint were present. Morrison opened the meeting by stating that the Technical department is P. P.(take that for what you will). Mr. Bolgiano is going to fix the mikes and the pick-ups??? The subject of appointments was brought up at this point in the meeting. The natural result of this move was a hearty bull-session. Dick Hardy appeared and brought the shovelling to a brief halt when he accepted his appointment to the position of Special Events Director. Other tenative appointments were made for Sales Manager, Publicity Director, and Record Librarian. Now that everybody was in a mean mood the problem of cuts was discussed, and the new policy (AS POSTED) was adopted. Thus ended the meeting.

respectfully submitted,
Joseph E. Helweg
Secretary

WHRC
HAVERFORD COLLEGE
HAVERFORD, PENNA.

MINUTES OF FEB.17 BOARD MEETING

Morrison, Singh, Reeves, Bolgiano, Helweg, Hummel, and Dannay were present.

Morrison opened the meeting by saying that the broadcast of the Swarthmore basketball game probably made money. The board is now filled since all of the appointments were accepted; Sales Manager- Mike Hummel, Publicity Director- Douglas Dannay, and Record Librarian- Tony Borton. Bill next enumerated on the position of Publicity Director, presumably for Dannay's benefit.

It was then agreed that the station should rebroadcast WFLN on Saturdays from 2 - 12 PM. Problems of the various departments were discussed with the following conclusions resulting: (1) Instructions for engineers should be posted.(2) The Merion transmitter should be fixed. (3) Engineers should make sure that the Co-op speaker is ON before they report for their shift.(4) There is a great need for improved co-operation between announcers and engineers. The meeting came to a screeching halt when Morrison left to present the budget at the Council meeting.

respectfully submitted,
Joseph E. Helweg
Secretary WHRC

V.A.R.: No, they have until a year after the time their disabilities have been adjudicated by VA. I ought to mention, in passing, that those who are totally disabled are not eligible for any of the endowment plans.

ANN.: How did the new law affect veterans who were already carrying government insurance issued under previous laws? You know... NSLI for the World War II chaps, and USGLI held by World War I veterans....

V.A.R.: It didn't change existing contracts, but it blew taps for the right to buy any more insurance under those old laws. It's something the people with term insurance, in particular, should be careful about. If they fail to renew or convert to a permanent plan, before their current term expires, they'll be kissing their Government insurance goodbye.

ANN.: Was there quite a rush of veterans to beat that April 25th deadline?

V.A.R.: Yes... a large number of veterans and servicemen, both, decided to get in under the wire. As a result, NSLI policies now in force have reached a total of more than 7-million 100-thousand. That's an increase of well over a million policies over the figure shown at the end of 1950.

Craig to check pre-amp. Tel rates to be boosted.
To be straightened out →
Class Night Records.
Look into WQXR relay instead of WFLN.
Record library should be straightened out
once a week.

Meeting Adjourned
by DWH

ANN.: 1951 was a big dividend year, too, wasn't it?

V.A.R.: Indeed it was... for those whose NSLI policies had been in force for at least three months between the anniversary date in 1948, and the corresponding date this year. A total of 8-million 200-thousand checks are due to be mailed out, representing 685-million dollars in cash. The job is already more than two-thirds completed. And, let me insert a small side-remark right here. Please don't write in to VA about this 1951 dividend. Everyone entitled to a share, will get it, automatically. No application is necessary.

ANN.: Fine, ____________________. Now, what's the next stop?

V.A.R.: Just a brief one, to drop a few facts and figures on the law that brought vocational training to Korean veterans entitled to compensation... that is, to those disabled veterans who need training to overcome the handicaps of their service-connected disabilities....

ANN.: A benefit that smacks strongly of the one originally extended to the same category of men from World War II....

Meeting

Monday January 7th '[illegible]

Vote for new staff members
Reading of list

Turner and Anderson
to be readmitted

~~[illegible]~~ to be left on trial
status as suggested by Edge
Eagleton – Grant
~~[illegible]~~ – Morrison
✱ Kepner rejected trial
✱ Monson rejected trial
[illegible] – trial
Edsall – trial

② There has not been a Board Meeting in some
time

A. ~~[illegible]~~

B. $50 from Physics dept. (from the Trust Fund)
the problem is what to do with it

I [illegible] for [illegible] = Tech. work in studio H (Cr

II In [illegible] there [illegible] though there will be
a surplus (about $50 +)

C. Possibility of Sponsors.
The Eastern States Radio Corporation's offer three prog
in exchange for a [illegible] machine at $25 a week.

D Elections
Election night ~~[illegible]~~ 7 p.m. Sunday night.
7 positions to be filled.
Board meeting early next week.

E [illegible] "[illegible] basketball team".
Next game at [illegible], league game, at [illegible] vote of

NOCONFIDANCE

W H A V
HAVERFORD COLLEGE
HAVERFORD, PENNA.

OFFICE OF THE SECRETARY

MEMBER
INTERCOLLEGIATE BROADCASTING SYSTEM

A regular board meeting was called to order at [illegible] by President Knowlton.

1. There was general discussion of the wire recorder that is to be bought. Bob [illegible] made suggestions as to the type that would be best for the [illegible].

2. Report of the financial status of the club. The budget was cut $215 which leaves the club running on a very slim margin. John Dyson pointed out that there would be no money for publicity and that almost all of the first quarter money has been spent on [illegible] equipment.

3. Question of report of program schedule. Bill [illegible] reported that there were [illegible] fifteen minute shows open.

The meeting was adjourned at [illegible] pm.

N M Curtis

MINUTES OF BOARD OF DIRECTORS' MEETING OF WHRC, SEPT. 25 AT 7:00 P. M.

Those present were: Morrison, Hummel, Singh, Bolgiano, Goldfinger, Flint, and Hollmann. (Absent: Hardy, Wilson, Carpenter.) Rentschler!!

The first topic discussed was our association with WHHS, the F. M. radio station of Haverford High School. The principal of the school requests that one of us spend some time supervising broadcast sessions of WHHS to keep horseplay down to a minimum. It was also suggested that WHRC broadcast some of their programs, provided they are very good. Also, they may broadcast some of our shows. No decision was reached, but was suspended for a later date.

WHRC is to go on the air on Monday, Sept. 29 at 7:00 P. M. It was decided that we will request telephone service starting Monday. It was also decided that we will broadcast the home football games and possibly some away games, to give practice in broadcasting such affairs, even though no one may be listening in. (We hope that everyone will be at the home games in person!)

Amar Singh has made out a temporary program schedule to go into effect on Monday and to continue until incoming Freshmen can be scheduled. A new experiment: To broadcast a disc jockey show in the morning from 7:30 to 8:30 A. M., beginning Tuesday, for a few days each week.

It was decided to get a lock for the door at the foot of the stairs going up to the station, rather than lock each part separately.

The Board decided to hold a meeting for all Freshmen interested in WHRC on Fri. at 7:00 in the Union Lounge. The purpose of this meeting will be to schedule interested Freshmen for auditions.

The vague possibility of shifting the frequency to 540 kc. to get greater power was discussed.

The Board decided to take a poll to see if it is desirable to broadcast dinner music in the dining hall during supper. It was suggested that we have longer station breaks during which future programs could be mentioned, or advertisements and announcements could be made. It was concluded that we have all station breaks the same length, and to have any such announcing to be done at the end of the previous program. All programs are to go off the air 20 seconds before the hour.

Next, the budget was discussed. Because of the extensive renovation in the station, the proposed budget has been run up to $405. The stringing of new lines to Merion Hall and the baseball field and Bryn Mawr was discussed, and the meeting was adjourned at 8:55.

Respectfully submitted,

Bruce J. Hollmann

Secretary.

MINUTES OF BOARD OF DIRECTORS' MEETING OF WHRC, SEPT. 25 AT 7:00 P. M.

Those present were: Morrison, Hummel, Singh, Bolgiano, Goldfinger, Flint, and Hollmann. (Absent: Hardy, Wilson, Carpenter.)

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Next, the budget was discussed. Because of the extensive renovation in the station, the proposed budget has been run up to $465. The stringing of new lines to Merion Hall and the baseball field and Bryn Mawr was discussed, and the meeting was adjourned at 8:55.

Respectfully submitted,

Secretary.

MINUTES OF THE BOARD OF DIRECTORS' MEETING OF SEPT. 28 AT 7:00 P. M.

Those present were: Morrison, Wilson, Hardy, Goldfinger, Rentschler, and Bolgiano.

The following was decided by the Board: Someone of WHRC will supervise the Haverford High School radio station, WHHS, when it is on the air. Bob Wilson will provide his car for transportation for that person to and from the high school. The supervisor will be responsible for WHHS equipment and Bob Wilson's car.

Any staff members who fool around with the teletype without official permission will get booted off the staff.

Dick Hardy will get new records for the station. These records must be handled carefully, because they are to be sold as new records afterward.

Tom Rentschler will try to get advertisers, so we will be able to broadcast some away football games.

Bill Morrison announced that 45 Freshmen came to the Freshmen meeting, a very good turn-out. Bill also commended the technical department for its good work. The power has gone up, and the reception will be good. Now it's up to the engineering, programing, and production depts.

The meeting was adjourned at 7:40.

Respectfully submitted,

Bruce J. Hollmann.

Secretary.

MINUTES OF THE BOARD OF DIRECTORS' MEETING OF SEPT. 28 AT 7:00 P. M.

Those present were: Morrison, Wilson, Hardy, Goldfinger, Rentschler, and Bolgiano.

The following was decided by the Board: Someone of WHRC will supervise the Haverford High School radio station, WHHS, when it is on the air. Bob Wilson will provide his car for transportation for that person to and from the high school. The supervisor will be responsible for WHHS equipment and Bob Wilson's car.

Any staff members who fool around with the teletype without official permission will get booted off the staff.

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~~Retail Concerns Which Have Advertised in~~

~~The Christian Science Monitor~~

Since January, 19......

Name of Advertiser	Classification of Business	Last Insertion	Dis.	C.H.	Present Schedule

Form 703. (3-17-43-1M)

Minutes of the May 18-19 Caucus of the Wonderful Wizards of WHRC.
(Board Meeting)

The meeting got under way at 10:27 P. M. on May 18. Those present were: Bill Morrison, Mike Hummel, Ridge Bolgiano, and Bruce Z. Hollmann. Amar Singh and Dick Hardy and John Flint were absent!

Appointments to the non-voting offices of the Board were made as follows: Special Events Director: Kearny Carpenter. Sales Manager: Tom Rentschler. Record Librarian: Bob Wilson. It was decided that starting next year, the record librian will be responsible for tapes and transcriptions as well as records. If he needs them, he can "hire" assistants, subject to the approval of the Board. For Public Relations Director, Alex Goldfinger was appointed.

The remainder of the meeting was spent in discussing, haggling over, and ironing out technical expenditures with Bolgiano.

At the end of the meeting, it was decided: The Board members should come back a day or two early (i. e.: before the first required Collection) next fall. Food for thought over the summer for all Board members: 1. The scheduling of the first three weeks of programs next fall. 2. Freshman indoctrination. 3. Long-range ideas for policies and projects. Any good ideas will be appreciated.

Finally, it was decided that the advertising manager should send out lead letters to prospective advertisers by Sept. 12, giving the set-up and allowing for replies. On May 19, at 12:15 A. M., the meeting broke up (i. e,, was adjourned). This was the last Board meeting this semester.

Respectfully submitted,
Bruce Z. Hollmann.
Secretary.

Name: Dave fraser (if you wish)

1 G

A proposal to develop WHRC into a high-fidelity FM station with an effective radius of approximately 10 miles is currently being studied. Such expansion is financially and legally feasible, but would entail student participation far beyond that which WHRC currently enjoys: program quality and technical maintenance would have to meet the standards appropriate to what would become both the college's primary contact with the community, and the Mainline's only educational station. Your cooperation in answering and returning this questionaire will greatly facilitate the study.

B 1. What dorm do you live in?

Yes 2. Is there an FM receiver in your room?

Yes 3. Is there an AM receiver in your room?

Yes 4. Do you listen to WHRC more than 2 hours per week?

Yes 5. Do you listen to outside radio more than 2 hours per week?

~~✓~~ Yes. I listen mostly to AM.

✓ Yes. I listem mostly to FM.

___ NO.

No 6. Recognizing the extent and compostion of the potential FM audience, would you be interested in preparing and presenting a respectable half-hour or hour weekly show on WHRC-FM?

Yes 7. Do you consider yourself competent to operate simple electrical equipment, i.e. can you operate an alarm clock, screwdriver, light-switch, and soldering iron?

No 8. If competent, would you be interested in working as part of the engineering or technical staff of Station WHRC-FM?

If you have any comments regarding the proposal, please utilize the underlying fallow ground

Wr. for special Summer '42 program but never produced. TLB

C. Many of our listeners are hearing WHAV for the first time tonight, and so it is perhaps appropriate that we should now present a dramatized history of its beginnings. It was back in 1941 that a voice was heard in Founders Hall...

G. Hey, Clark! They can hear us down the other end of the hall!

A. This auspicious event marked the opening of W3HAV. With studios in 22 Founders, it broadcast whenever John Clark or Hank Gray were ambitious.

C. Hey, Hank; let's put on some music.

G. Is the mike on?

SOUND ~~Clank, Clank~~. mike being tapped

G.. Yep.

C. This is station **W3HAV**, of the Scarlet and Black network. Station W3HAV operates without license of the Federal Comunications Commission on frequencies ranging from 550 to 1600 Kilocycles. Subject to change without notice. Tonight we are operating on 576 kc. Holler down the hall, will you Hank. To open our program of recorded music we present the Capricio Espagnol by Rimsky-Korsakov. You have all heard this so often there is no need for comment. OK Hank, lets go.

SOUND Needle scratch, music faint, volume up, changed until a reasonable noise emerges. Fade.

A. So through December '41 and into January '42 anybody who wanted to, made comments into ~~mike~~ the mike until the transmitter could not stand any more and blew out. A collection was taken up, and late in February the new 3-tube transmitter, owned collectively by most of the Founders boys, began operation. Finally a suitable frequency was selected---one without too many nearby powerful statio

C. Well, Hank, did you build that Power supply?

G. Eh, well you see, I was sort of busy...

C. How about that oscillator Sev?

S. Yes, but I don't think it'll work.

C. Well, how about the pre-amp, Ed?

T. There it is!

A. So with a pre-amp and half an oscillator, Severinghaus, Thomas, and Gray set to work. Clark kibitzed.

C. Do you think we can open this week Hank?

G. God No.

A. All the equipment was assembled and the studios constructed in the third floor of Union. The reverbaration time was found to be about ten seconds. The engineer was shoved in the closet under the rafters, and turntables, ~~and~~ radios and speakers placed about him so he could hardly turn around. Instruments, tubes, srewdrivers, sodering irons, wire, and whole assmebled units were stolen from the physics department. Telephone wire mysteriously disappeared. A line was run under Lloyd and another over to Barcley. October 19th was proclaimed as the opening night, but this was soon put off till the 20th. Through that afternoon and into the evening the staff worked furiously.

S. Hey, this damn thing won't oscillate.

T. Oh darn, this connection's become unsodered.

G. Quiet a moment...

C. Well, are we all ready?

S. You may have to put it off, we can't seem to get the transmitter to oscillate.

C. But we can't put it off. We've got Felix comeing up. You can't put

Fritzy off either. I'm nearly flunking Physics 3 already. How about getting Benham on the job?

A. So Mr Benham was pressed into service and found the trouble in ten minutes. One of the connections was not grounded. Meanwhile the script writers had been up all night too, writing introductions for the many speakers. Let us take you over to the studio just before ~~xixhxh~~ eight o'clock.

C. Set the mike up here in the middle of the room. We'll all have to use one mike tonight I'm afraid. Where's Goodman? He should have been here a quarter hour ago.

S (in background, footsteps etc heard continuously) Turn it on again, if it won't work now I don't know whats wrong.

SOUND door.

C. Good evening Dr. Palmer.

P. Nice studio you have here. Here's a copy of my talk.

C. Thanks sir, here Jim.

H. Where's Goodman? Someone go and find Goodman.

C. Where's he live?

H. I don't know, but we've got to have an announcer, besides he has the script.

S. ~~Ohxhexkx~~ (background) Oh hell. Run down and get the Physics Lab's power supply, Ed. Oh, good evening Dr Palmer.

SOUND Door

C. Well, its about time Goodman. You were told to be here at seven thirty ~~Hxxxxxx~~,

G. I know, but I ...

C.. Never mind. You know what to do?

SOUND door.

C. Evening President Morley.

M. Nice place you got here. Not as modern as WFIL, but its very nice. I like to see such ambition. One of the advantages of the small college. This the engineer's booth?

S. Who the... Oh, good evening President Morley.

M. It looks extreamly complicated. I don't know a thing about these mechanical gagets.

C. Neither do the rest of us. Got it working yet Sev?

S. We patched up the Barclay line. I think it'll hold for the evening.

C.. Two minutes. Listen everybody. You've gotta stand about four inches from this mike. The engineer will motion you if you're too close or too far away. When the red light is on, that means so are the mikes, and any noise at all in the studio goes over like a heard of elephants.

T (background) Turn it on.

C. I hope this goes over well. I don't know why you want me to talk

G. (rehearsing sotto voice) This is station WHAV of the scarlet and black network. ...station W H A V ...

C. (over this) All set Hank?

M. Can I sit here?

G. Where are the records?

C. What records?

G. The glee club. Weren't there going to be some glee club records in there somewhere?

C. Tom, where's the scrpit?

G. There's one after Dr. Palmer and another after Ferris.

C. Arn't they there, Hank?

G. I havn't got 'em. Where are those glee club records, Sev?

S. I brought them up. I think there over on the table.

Gd Here they are. Away Rio and the Magnificat.

C. One minute!

G. Which one's first?

Gd. Away Rio follows Dr Palmer.

G. And the other's when?

Gd After Ferris.

H. You've got the Divertissement to start off the classical album?

G. Yes. You going to announce it?

H I suppose so.

G. You coming in right after the station break?

H No, play about thirty seconds of it first and then fade it out.
I'll try and think of something to say.

G All right. We're starting off with the national anthem.

C. How about those chimes?

S. Thats impractical.

C. You can play them in front of the mike, and they'll be picked up.

T. They just don't sound right John.

C. OK. Half a minute. Everybody set? Where,s my speech?

H. Over here.

Gd (sotto background) This is station WHAV of the scarlet and black
network, owned and operated by the radio club of Haverford College.

G. Get out of the way Clark, I can't see the clock.

S. I hope that modulator doesn't give out. We'll have to fixiit
tomorrow afternoon. Perhaps a larger condensor would
do it.

T. I still think we should have put that in there.

S. But look here, Ed...

C. Take iteasy, Sev.

SOUND Anthem over speaker.

C. Ha. So far so good.

A.)S. I wonder if its coming into Founders.

T. Probably can't hear much.

Ed (background) This is station etc.

C. This is your cue President Morley. It'll probably be about thirty five minutes. You're taking up the last ten?

M. I think I can talk for ten minutes.

C. If you could manage to end about half a minute before quarter of...

H. We can't run on a split second timetable, John. We'll be lucky if we're within three or four minutes.

C. You'll be on this side of the mike. The announcer's on the other.

SOUND Speaker cut out.

H. Shhhh.

(pause 5 secs)

Ed. This is station WHAV of the scarlet and black network, owned and operated by the radio club of Haverford College. To open our inaugural program...

SOUND (fade)

A. Thus did WHAV go on the air that memorable night, to start operation of the second broadcasting station on the Havefford campus. Oh yes, there had been one before. Haverofrd was one of the pioneer colleges in the field of radio. Dr. Palmer in his talk that night said...

P. (see speech on separte sheet)

)A. Afteer this opening splurge, we relapsed into a regular schedule.

7.30 Records-

SOUND 'In the Mood'

A 7.45 Classical Music.

SOUND Beethoven's 5th opening.

A. 8.45 Campus News.

C. Where's Hopkins?

Ed. He said he couldn't make it.

C. Well, put on some music then.

SOUND 'In the Mood'

A. ~~8.00~~ Nine o'clock; the third day of broadcasting we presented what was to become one of our outstanding weekly features, Le-Jazz Hot with Unc Smith!

SOUND Lazy Afternoon.

Smith. Good evening friends etc.

SOUND Half a minute of one of Unc's records, then fade.

A. The next week we got our first sponser.

X. Please buy your records at C.H.Davis. By doing this you will enable us to get more records to present to you over the air. Thus you will be doing yourselves a double favor. C.H.Davis is located at...

SOUND (fade) [illegible]

A. Music and the rebroadcasts of the British Broadcasting Corporation filled out most of our early days, but amoung our weekly features were Henry Funk's bedtime stories...

F. And now children I am going to read ~~you~~ to you The Letters of James Thurber, oddly enough by James Thurber... (see book)

A. Leon Levintow and Ted Hammond conducted the Record Album...

H. Beethoven, born at Bonne, Germnay in 1770 the son of a cook and a drunken musician, was a man of fierce passions, superb courage, and impatience and unreasoning defience. The music of the fifth symphony was in the mind of the composer...

SOUND (fade)

A. The Quiz show between the students and the faculty was a weekly event until noone sent in any more questions and we ran dry. Whitehead and Ridgway beat Professors Frost and Sutton that first week. Then there was Meet the Faculty. One ~~xxx~~ of our largest audiences was listening the night Dr Pepinsky who has played with many of our leading symphony orchestras said ~~said~~...

P. A lady described a certain instrument to me, and after she had been talking about its long tube and so forth, I realized what she meant and said 'Oh, you mean a basoon.' The lady said that she guessed so, and asked 'Do they make that noise with their mouths?' 'Well, I hope so.'

A. And later on that same program, refering to the belief widely help amounf musicians that music critics are musicians that never quite made the grade,

P. In Mineanapolis several years ago a certain music critic was continualy panning a certain local conductor. After several months of this the two found themselves at a banquet and the critic had to introduce the conductor without much ado. This gave the conductor his golden opertunity. He stood up ~~xxxthex~~ and asked, 'Does anyone know why a music critic is like a eunoch?' After a respectful silence, he answered his own question, ~~said~~, 'Well, they both know how to do it, but can't'.

A. The programs until January became steadily worse, though Senator Stiles views the news will never be forgotten by anyone who ever heard it. Short plays were given now and then. I remember one that had to do with immortality and a piano. perhaps the most notable event of this era was the recreation of the Hamilton ~~xxx~~ football game. It was too expensive to lease a wire and broadcast the game from Hamilton, so our special representative made play by play notes and telephoned them to us where they were recorded and from these recordings Bill Hedges and Jimmy Schnarrs reconstructed the game. The material they had to reconstruct from sounded like this...

SOUND records of Hamilton game.

A. The Glee club broadcast occasionally, doing such numbers as xxix

SOUND Gelle club records.

A. Meanwhile our high command had changed. Clark had been forced by pressure on the scholastic side of life, to resign and was suceeded by Bob Day. Gray left us quite soon, and Severinghaus took over, and with Thomas rebuilt and improved all the equipment, inspite of financial dificulties. Haden quit in January, and Ted Irving took over the production department. And so we finished out the semester...

SOUND (fade in end of some record)x(xxx over speaker, cut as if for announcer to come in)

X. You have just heard...

SOUND (during above) door.

C. Hey, Doug... Oh, you on the air? Sorry.

X. This is stat on WHAV The time is now eight o'clock. WHAV now presents Test Your Line.

C.

A. Then in February we were joined by Bill Willar.

W. Good evening. This is Bill Willar. Bill Willar ~~presents~~ has just presented Nightmare written by Bill Willar. All characters were played by Bill Willar. Your announcer has been Bill Willar.

A. Thank you Bill Willar. In late march, Willar with the help of Alice Minot, president of the Bryn Mawr Radio Club, sucedeed in organizing the Bryn Mawr students to participate in the production and later also the technical departments of WHAV. Severinghaus and Thomas built a complete transmitter which was installed up there, and a line was rented from the phone company to carry our programs. The only studio was still at Haverford. On April 19th the first week of broadcasting under the combined radio clubs began. This large scale merger had resulted in a shake up of both clubs. Willar suceeded Irving as Production manager, with Jack Balderston as his aide. Irving was in charge of the new WHAV playhouse. Bert Kummel filled the long empty post of business manager, and several new engineers joined us, including Cloyd Marvin and Walt Kato. Bryn Mawr responded to our appeals very enthousiastically, 75 girls turning up at the first meeting. This was later reduced to about thirty, who came down here nightly to put on programs, announce, act and engineer. The broadcasting schedule was expanded to three hours a night, Bryn Mawr being completely responsible for the last hour. From this moment till the end of the term, the programs ran as follows...

X. Monday. Debate. Resolved that the United nations should immediately join together in a

B. Oh God, that again.

X. The sports broadcast.

X. For Men Only. For Wemen Only. Anything Goes. ... Tuesday.

World Neighbors, talks by students about foreign contries.

The Record Album.

SOUND Beethoven's 5th.

X. Wednesday. Stokes tours the Battlefront,

St. Won't someone please answer my question?

X. Stories of People,

W. By Bill Willar.

X. She Had to Go and Lose it at the Aster.

W. And did Bryn Mawr lap that up!

Xee Meet the faculty, and Uncle Henry's Bedtime stories! And the Bryn Mawr record session.

SOUND In the mood.

X. Thursday The WHAV Playhouse. The playhouse presented many short radio plays. Amoung them was an original written by Balderston and Downing, and adapted for radio by the cast. David Mallory and Don Treat took the leads supported by ~~Jerry~~ John Cary, David Mallory was superb in the last few moment of 'Paris Noir'...

SOUND recordings of Paris Noir.

X. And of course there was still Unc Smith.

SOUND Lazy afternoon.

A. So carried mainly by the enthousiasm of Bryn Mawr, our season drew to a close. In the last few days, we purchased an FM reciever, and rebroadcast FM programs of classical music 10 hours a day during exam week. Only one listener flunked. (P) So we have here presented to you a history of what is probably '44s greatest contribution to Haverford College. But WHAV is not finished. Looking to the future

we present to you the present president of the Radio Clubs. You all know him; Bill Willar, who will speak for one minute.

23-44 nos. Hometown

44 HAV - MASS
49 - HRC

52 - removed.